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Ziegler, A.C.

Aug.-Dec., 1957

Catalogue

nos. 790-981

A.C. ZIEGLER
1957

CATALOG.

NOTES: # 789 NOT USED.
A.C.Z.

BARK SHAWNY CAMP, ^{3700± FT.} T. 12 N, R. 5 E, sec. 13, Siskiyou Co., CALIF.

AUG. 21

790	♂ (TES 2x5 CAIO-)	<u>PEROMYSCUS MANICULATUS</u>	174 - 91 - 23 - 17 ^(W)	16.8
791	♀ (4 OLD SCARS)	" "	174 - 86 - 22 - 17 ^(W)	18.5
792	♀ (NO EMB'S)	" "	175 - 82 - 21 - 16 ^(W)	18.0
793	♀ (2-15 MM EMB'S LT. SIDE VAGINA OPEN)	<u>CLETHRIONOMYS OCCIDENTALIS</u>	143 - 39 - 19 - 12 ^(W)	25.8

AUG. 22

794	♂ (TES 3x5 mm CAIO-)	<u>PEROMYSCUS MANICULATUS</u>	183 - 91 - 21 - 17 ^(W)	15.8
795	♀ (NO EMB'S)	" "	185 - 88 - 21 - 18 ^(W)	17.6
796	♂ (TES 6x9 CP. 0+)	<u>CLETHRIONOMYS OCCIDENTALIS</u>	142 - 43 - 18 - 13 ^(W)	21.1
797	♀ (NO EMB'S)	<u>EUTAMIAS</u>	243 - 103 - 35 - 22 ^(W)	63.5
798	♀ (NO EMB'S)	<u>SCIURUS DOUGLASSI</u>	326 - 128 - 51 - 26 ^(W)	211.5
ALCOHOLIC 799		<u>EUTAMIAS</u>		
800		<u>GEORHONOTUS</u>	TOTAL 267, SNOUT-VENT 101	
801		<u>RANA</u>	SNOUT-VENT 51	
802	♀ (NO EMB'S)	<u>EUTAMIAS</u>	238 - 101 - 33 - 21 ^(W)	62.0

AUG 23

803	♂ (TES 3x5 CAIO-)	<u>EUTAMIAS</u>	250 - 103 - 36 - 23 ^(W)	82.2
804	♀ (NO EMB'S OR SCARS, VAGINA NOT OPEN)	<u>CLETHRIONOMYS OCCIDENTALIS</u>	139 - 41 - 19 - 12 ^(W)	19.9

ELK VALLEY GUARD STA. ^{4300± FT.} T. 14 N, R. 4 E, Sec. 23, Del Norte Co., CALIF.

AUG. 23

805		<u>SALPENTIDAE</u>	TOTAL 70 SNOUT VENT 39	
806		<u>TARICHA</u>	TOTAL 165 SNOUT VENT 70	
807	♀ (1 SCAR)	<u>Sorex TOWNSENDI</u>	118 - 49 - 13 - 9 ^(W)	4.9

AUG. 24

808	♀ (NO EMB'S)	<u>Sorex TOWNSENDI</u>	114 - 51 - 12 - 9 ^(W)	4.8
809	♀ (SCARS)	" "	NASAL CARTILAGE MISSING 116 - 51 - 13 - 9 ^(W)	5.9

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1957

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4300 ± ft,
Elk Valley Guard Sta., T14 N, R. 4 E, Sec. 23, Deuel Co., CALIF.

AUG. 24 (CONT)

810 ♂ (TES 3x5) EUTOMIAS 238-102-35-21^(N) 77.6

811 ♂ (TES 3x5) THOMOMYS MONTICOLA 195-68-24-6^(N) 63.0

812 ♀ (NO EMB'S) CITELLUS BEECHERII DOUGLASSI 435-190-54-27^(N) 242.0

813 ♂ (TES 2x4) THOMOMYS MONTICOLA 198-65-26-7^(N) 86.1

814 ♂ (TES 2x3) " " 196-69-26-6^(N) 73.0

815 ♀ (NO EMB'S) " " 173-57-25-6^(N) 55.7

816 ♂ (TES 6x9 mm) " " 208-69-27-7^(N) 83.9

817

818

819

820

821

822

823

824

825

826

TARICHA

827

RANA

~~8~~

AUG. 25

828 ♀ (4 new) NEOTOMA CINEREA 360-165-39-27^(N) 224.2

829 ♀ (new) MICROTUS 180-63-22-15^(N) 39.0

830 ♂ (TES 8x13) " 196-71-22-16^(N) 58.2

831 ♂ (TES 3x5) EUTOMIAS 261-112-36-18^(N) 75.5



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CATMON

POKER FLAT, 5000 FT. 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

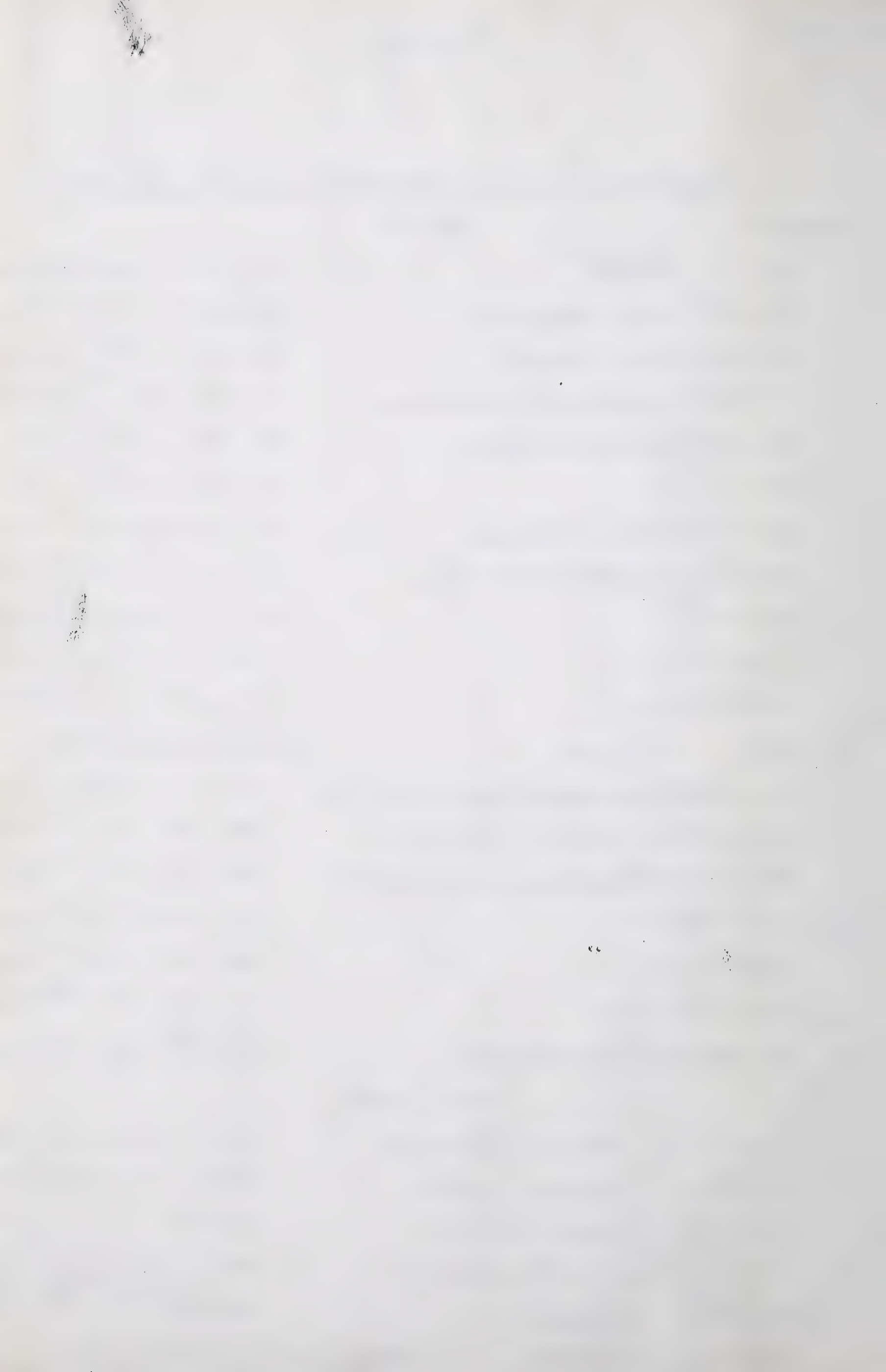
AUG. 27

AUG. 27

832	<u>ASCRAPIUS</u> LENTA	(CAVORT IN MOUSE TRAP)
833	♂ (TES 1x1 1/2) <u>Sorex AERIFICUS</u>	139-61-17-10 ^(N) 9.6
834	♂ (TES 1x1 mm) <u>Sorex PAUCIDENS</u>	148-73-20-8 ^(N) 11.0
835	♀ (3-14 mm EMB'S 2 LT. 1 RT.) <u>LETHRAIONOMYS OCCIDENTALIS</u>	150-46-19-13 ^(N) 25.2
836	♂ (TES 4x6) <u>Sorex AERIFICUS</u>	135-59-17-9 1/2 ^(N) 14.7
837	♂ (TES 3x6 CAID+) "	142-57-16-9 1/2 ^(N) 14.2
838	♂ (TES 3x6 CAID+?) <u>Zapus PRINCEPS</u>	223-131-32-13 ^(N) 35.0
839	♂ (TES 7x12 CAID+) <u>MICROTUS LONGICAUDUS</u>	182-59-22-14 ^(N) 46.4
840	♂ (TES 7x10 CAID+) "	181-62-22-15 ^(N) 44.8
841	♀ (1 RT. 2 LT. SCARS) "	185-67-22-15 ^(N) 46.0
842	♀ (3 RT. 1 LT. FRESH SCARS) "	179-59-21-15 ^(N) 38.3
843	<u>TRICHTA</u>	[IN POOL BELOW CAMP]
844	♀ (3-20 mm EMB'S 5) <u>LETHRAIONOMYS OCCIDENTALIS</u>	152-49-17-12 ^(N) 29.4
845	♂ (TES 2x4 CAID) <u>THOMOMYS MONTICOLA</u>	168-48-25-5 ^(N) 59.6
846	♂ (TES 3x6 CAID-) <u>PEROMYSCUS MANTICULATUS?</u>	186-85-22-18 ^(N) 20.5
847	♂ (TES 1x1 1/2 mm CAID-) "	172-79-20 ⁺ -18 ^(N) 17.0
848	♀ (3 RT. 3 LT. SCARS) "	193-92-22-16 ^(N) 26.4
849	♀ (3 RT. 2 LT. OLD SCARS) "	193-90-20 ⁺ -14 ^(N) 26.0
850	♂ (TES 4x8 CAID+) <u>Sorex AERIFICUS</u>	TAIL TIP MISSING? 133-51-15 1/2-9 1/2 ^(N) 13.0

AUG. 28, 1957

851	♀ (NO EMB'S) <u>THOMOMYS MONTICOLA</u>	187-58-27-6 ^(N) 69.6
852	♂ (TES 3x6 CAID-) <u>NEOTOMA CINEREA</u>	338-161-40-28 ^(N) 205.5
853	♂ (TES 3x5 mm CAID+) <u>MUSTELA ERMINEA</u>	249-65-32-18 ^(N) 74.7
854	♀ (NO EMB'S VAGINAE 0.8) <u>EUTAMIAS AMOENUS?</u>	251-110-37-28 ^(N) 78.5 39 (TAIL FROM CARCASS)
855	♂ (TES 5x15) <u>APHODONTA</u>	304-25-50-21 ^(N) 1120.0
856	1 LOT TAD POLES (BANK FROM 150 FT. OF SAME STREAM)	



Aug. 2, 1957

CATALOG

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 28 (cont.)

- 857 1 LOT METAMORPHOSING FROGS - (BHL FROM 150 FT. at same stream)
- 858 ASCAPHUS
- 859 "
- 860 "
- 861 "
- 862 "
- 863 "
- 864 "
- 865 "
- 866 "
- 867 "
- 868 "
- 869 "
- 870 "
- 871 "

AUG. 29

872 ♀ ASCAPHUS

873 ♂ (TESTES 1/2 CA 10-12) Sorex TROWBARDI

108 - 48 - 12 - 8^(W)

4.8

874 ♂ (TESTES 1/10 EPID.) LEITHROMYS OCCIDENTALIS

144 - 43 - 18 - 12^(W)

26.5

875 TRICHA

876 "

877 "

878 "

879 ♀ (2 RT, 2 LT, 2 CA) Sorex PRAEFICKS

141 - 54 - 16 - 9^(W)

17.2

880 ♀ (2 RT, 2 LT, 2 CA) THOMOMYS MONTICOLA

TAIL BROKEN

198 - 69 - 24 - 7^(W)

69.3

A.C. ZIEGLER
1957

(ADAMOR)

Poker Flat, 5000 ft., 12 mi. NW Happy Camp, Siskiyou Co., Calif.

Aug. 30

881	♀ (NO EMB'S NO SCARSSON LACTATING)	<u>Sorex mowbridenti</u>	108 - 47 - 12 - 8 ^(N)	6.4
882	♂ (TESTES 11 EPIOT)	<u>Microtus longicaudus</u>	191 - 70 - 22 - 15 ^(N)	41.2
883	♂ (TESTES 6x9 EPIOT)	"	190 - 67 - 22 - 15 ^(N)	WT.?
884	♀ (4 RT, 2 LT. SCARS)	"	197 - 66 - 22 - 14 ^(N)	47.9
885	♀ (NO EMB'S)	"	189 - 59 - 21 - 15 ^(N)	42.9

SURAN RANCH, 3400⁺ FT., 3 MI. E MONTGOMERY C.E. P.O., SHARONA CO., CALIF.

AUG. 30

886		<u>THAMNASHIS</u>		TOTAL LENGTH - 702 mm SNOUT VENT - 57 mm
887		<u>GEORHONOTUS</u>		TOTAL LENGTH - 167 SNOUT VENT - 87
888		<u>TARICHA</u>		
889		"		
890		"		
891	♀ (NO EMB'S)	<u>ETERICUS FUSCUS</u>	117 - 47 - 11 - 17 ^(N)	22.0
		SEAT. 1		
892	♂ (TESTES 6x10 EPIOT)	<u>MICROTUS</u>	177 - 56 - 21 - 14 ^(N)	47.7
893	♀ (2 RT, 2 LT. EMB'S)	"	171 - 55 - 20 - 14 ^(N)	37.3
894	♂ (TESTES 4x6 EPIOT)	<u>PEROMYSCUS MANICULATUS</u>	157 - 75 - 20 - 17 ^(N)	17.7
895	♂ (TESTES 2x3 EPIOT)	"	157 - 71 - 20 - 16 ^{1/2} ^(N)	12.8
896	♀ (2 RT, 3 LT. SCARS)	"	165 - 73 - 19 - 18 ^(N)	21.1
897	♀ (4 LT, 1 RT, FRESH SCARS)	"	171 - 77 - 20 - 18 ^(N)	20.1
898		<u>GEORHONOTUS</u>		SNOUT VENT - 98 mm
899		"		SNOUT VENT - 98 mm
900		"		SNOUT VENT - 85 mm TOTAL - 792 mm
901		<u>THAMNASHIS</u>		SNOUT VENT - 580 mm
902	♀ (NO EMB'S)	<u>LASONYCTERIS NOTIVARONIS</u>	95 - 38 - 8 ^{1/2} - 15 ^(N)	10.4



A.C. ZIEGLER
1957

Casano

SUPAN RANCH, 3400[±] FT., 3 MI. E MONTGOMERY CO., CALIF.

SECT. 1 (CONT.)

ALCONOMIC	903	♂	THOMOMYS (BOITAE?)	199-71-23-6 $\frac{1}{2}$ (N)	73.5
CAPTIVE	904		SPECIMEN, ESCAPED		
	905	♀ (NO EMB'S)	" "	EYEBALL DIA - 2 $\frac{1}{2}$ mm 199-64-24-8(N)	89.0
	906	♀ (NO EMB'S)	" "	EYEBALL DIA - 2 $\frac{1}{2}$ mm 195-64-25-8 $\frac{1}{2}$ (N)	73.9

SECT. 2

ALCONOMIC	907	♂ (TES 4X6 EPID-)	THOMOMYS (BOITAE?)	EYEBALL DIA - 2 $\frac{1}{2}$ mm 209-75-25-7(N)	108.2
	908	♂ (TES 3X4 EPID-)	" "	EYEBALL DIA - 2 $\frac{1}{2}$ mm 212-76-25-8(N)	88.4
	909	♂ (TES 3 $\frac{1}{2}$ X 5 mm EPID-)	" "	EYEBALL DIA - 2 $\frac{1}{2}$ mm 190-69-24-7 $\frac{1}{2}$ (N)	59.7
	910	♂ (TES 6X10 EPID+)	MICROTUS SPP?	182-66-22-14(N)	41.0
(CAPTIVE) - EATING CARROT IN CAPTIVITY.	911	♂ (TES 3X5 EPID-)	THOMOMYS (BOITAE?)	EYEBALL DIA 3 mm. (ALL MEASUREMENTS TAKEN BEFORE EATING CARROT) 140-5-31-8(N)	62.1

BUTT CREEK, 4300[±] FT., 8 MI. S CHESTER, PLUMAS CO., CALIF.

SECT. 3

912			<u>FROG</u>		
913			<u>BUFO</u>		
914	♀ (NO EMB'S)		MYOMYS THYSANOCES	87-36-9-16(N)	5.8
915	♂ (TES 2X3 $\frac{1}{2}$ EPID-)		ZENAEUS PRINCEPS	203-122-31-14(N)	16.4
916	♂ (TES 7X11 EPID+)		MICROTUS LONOTCAUSUS?	171-45-20-14(N)	46.5
917	♂ (TES 7X11 EPID+)		" "	178-54-20-14(N)	44.2

SECT. 4

918	♂ (TES 5X11 mm EPID?)		Sorex MOWBRIDGEI	115-53-13-7 $\frac{1}{2}$ (N)	4.4
919	♂ (TES 1X2 EPID?)		Sorex PAULSTREIS	158-77-19-5(N)	13.6
920	♂ (TES 7X12 EPID-?)		THOMOMYS BOITAE?	EYEBALL DIA - 3 mm 210-67-27-9(N)	103.3
921	♂ (TES 2X4 EPID-)		PEROMYSCUS MANICULATUS	152-63-17-17(N)	15.8
922	♀ (4 LIT. OLD SCARS)		" "	138-62-18-17(N)	16.1
923	♂ (TES 6X13 EPID-)		CITELLUS LATERALIS	WASHED IN GASOLINE 263-83-46-2(N)	272.1

A.C. ZIEGLER
1957

CATALOG

^{4300± FT.}
Burr Creek 8 mi. S Chester, Plumas Co., California

SEPT. 4 (cont.)

924 ♀ (NO EMB'S)	<u>CITELLUS LATERALIS</u>	WASHED IN GAROLINE	267 - 80 - 40 - 23 ^(N)	245.5
925 ♀ (125, 5 LIT. SCARS)	" "	"	271 - 80 - 39 - 21 ^(N)	212.8
926 ♀ (NO EMB'S)	" "	"	251 - 81 - 38 - 21 ^(N)	150.4
927 ♂ (TES 5x3 CA 10-)	<u>CITELLUS BEGENEYI</u>	"	436 - 182 - 57 - 29 ^(N)	600.6
928 ♂ (TES 2x4mm CA 10-?)	<u>HABIONYCTERIS NOCTIVAGANS</u>	"	96 - 38 - 9 - 15 ^(N)	9.3
929 ♂ (TES 1x1 CA 10-?)	<u>SOREX VABRANS</u>	"	105 - 43 - 13½ - 8 ^(N)	4.7
930 ♂ (TES 1x2 CA 10-)	<u>NEURONICHUS GIBBSI</u>	"	112 - 38 - 16 - 4 ^(N)	11.9
931 ♀ (4 RT, 1 LT. 14mm emb)	<u>MICROTUS MONTANUS</u>	"	170 - 43 - 20 - 15 ^(N)	52.0
932 ♂ (TES 6x9 CA 10+)	<u>MICROTUS LONGICAUDUS</u>	"	194 - 74 - 22 - 15 ^(N)	47.5
933 ♀ (3 RT, 1 LT. SCARS)	" "	"	173 - 59 - 21 - 14½ ^(N)	43.8
934 ♀ (3 RT, 2 LT. SCARS)	" "	"	165 - 56 - 21 - 14 ^(N)	32.5

SEPT. 5.

ALCOHOLIC	935 -	<u>SOREX VABRANS</u>	93 - 38 - 12 - 8 ^(N)	4.1
	936 ♂ (TES 1x1 CA 10-?)	" "	TAIL BROKEN 97 - 44 - 13 - 7 ^(N)	4.0
	937 ♂ (TES 1x1 CA 10-?)	" "	92 - 36 - 12 - 7 ^(N)	4.2
	938 ♀ (3 RT, 4 LT. OLDSKINS)	<u>MICROTUS MONTANUS</u>	162 - 48 - 20 - 14 ^(N)	39.9
ALCOHOLIC	939 -	<u>CITELLUS LATERALIS</u>	253 - 85 - 37 - 19 ^(N)	116.7
CAPTIVE	940 -	<u>SPECIMEN ESCAPED</u> <u>EUTAMIAS SPECIOSUS</u> (CAPTIVE)		
	941 ♂ (TES 7x12 CA 10+)	<u>MICROTUS LONGICAUDUS?</u>	COLL. S.B. BENSON. 199 - 78 - 22 - 18 ^(N)	53.5

KILLED SEPT. 6. (CAPTIVE SEPT. 5)

942 ♀ (3 RT, 2 LT. SCARS)	<u>CITELLUS LATERALIS</u>	COLL. S.B. BENSON WASHED IN SOAP (DARK) + WASHED 267 - 81 - 39 - 22 ^(N)	214.7
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A. L. ZIEGLER
1957

Catalog

STRAWBERRY CANYON, BERKELEY, ALAMEDA Co., CALIF.

COLL: BENJAMIN MENAB.
CAPT. AUG. 9, 1957, DIED AUG. 11, 1957, PUT UP SEPT 21, 1957

943 ♂ (TE 32x4) DIODONTOMYS 318-132-35-38^(N) 97.7

TAKEN IN VICINITY OF
FARAWAY ISLANDS, SAN FRANCISCO Co., CALIFORNIA.

(PROCESSED AT DEL MONTE FISHING Co., RICHMOND, CALIF.)
OCT. 31, 1957

* 944 ♀ (NO EMB'S?) MEGAPTERA NOVAEANGLIAE T.H. 44 FT.

* PELVIC BONES, EYES, OVARIES, PIECES OF ORGANS, ETC. ALSO

BRANCOLES & "LICE" FROM SKIN GIVEN #944 ALSO.
2 PIECES BALCON ONLY, - PICKUP

945 ♂ " " (?) NOMAD'S.

ZANOSER RANCH, 3.8 MI. W STANISLA, LASSEN Co., CALIF.

NOV. 4.

COLL. DR. SEYMOUR BENSON

+ SKELETON (TE 32x18mm) NOV. 4. (FROM CARCASS)
946 ♂ ERETHIZON DORSATUM 710-225-105-23^(N) 14^{1/2} IN.

LAB ANIMAL
FROM DIABLO ANIMAL LAB, BERKELEY, ALAMEDA Co., CALIF.

NOV. 16.

COLL. RICHARD W. CONNORS.

947 ♂ (TE 12x2) (CAPT) RATTUS NORVEGICUS 430-210-39-21^(N) 370.0mm

FURNACE CREEK RANCH, DEATH VALLEY, INYO Co., CALIFORNIA

COLL. NOV. 3, 1957

COLL. M. L. MURIE

		<u>PEROMYSCUS</u>	<u>PEROMYSCUS</u>	<u>PEROMYSCUS</u>	
Acad 9445	948 ♂	<u>PEROMYSCUS</u>	<u>PEROMYSCUS</u>	<u>PEROMYSCUS</u>	185-98-21-17 ^(N) 17.6mm
	949 ♂	"	"	"	TAIL TRAILING [137-49]-20-18 ^(N) 17.9
	950 ♀ imm.	"	"	"	169-89-21-16 ^(N) 12.8
	951 ♀	"	"	"	184-102-21-18 ^(N) 18.6
	952 ♀	"	"	"	220-124-20-20 ^(N) 26.5

FOR NOTES ON 948-952 SEE MARTIN L. MURIE'S

~~W. END END~~

F. END NOTEBOOK

A.C. ZIEGLER
1957

CATALOG

W END ELK VALLEY, 75[±] FT., MARIN CO., CALIF.

Dec. 28

UPPER CANINE & CHEEK TEETH ONLY

953

954 ♀ (NO EMB'S)	Sorex	VARIANS	VARIANS	95-38-12-8 ^(W)	5.4
955 ♂ (TES 3X5 CPI0?)	"	"	"	103-40-11-8 ^(W)	6.5
956 ♂ (TES 3X5)	"	"	"	102-40-12-8 ^(W)	7.7
SKULL ONLY 957 ♀ (NO EMB'S)	my. UTENS	"	"	100-41-12-8 ^(W)	4.7
SKULL ONLY 958 ♀ (NO EMB'S)	"	"	"	93-35-12-8 ^(W)	5.6
SKULL ONLY 959 ♀ (NO EMB'S)	"	"	"	103-40-11-8 ^(W)	5.6
SKULL ONLY 960 ♂ (TES 2X4)	"	"	"	95-38-11-8 ^(W)	5.7
SKULL ONLY 961 ♂ (TES 3X7)	"	"	"	98-34-12-7 ^(W)	6.7
SKULL ONLY 962 ♂ (TES 3X5)	"	"	"	110-39-12-8 ^(W)	6.9
SKULL ONLY 963 ♂ (TES 4X6)	"	"	"	105-37-12-7 ^(W)	7.4
SKULL ONLY 964 ♂ (TES 4X6)	"	"	"	110-41-12-8 ^(W)	7.5
SKULL ONLY 965 ♂ (TES 4X6)	"	"	"	112-43-12-7 ^(W)	7.6
SKULL ONLY 966 ♂ (TES 4X6 ⁺)	"	"	"	105-40-12-8 ^(W)	7.7
SKULL ONLY 967 ♂ (TES 3X5)	"	"	"	MOST OF TAIL GONE <u>72-11</u> -12-8 ^(W)	7.8
SKULL ONLY 968 ♂ (TES 3X5)	"	"	"	107-41-12-8 ^(W)	8.0
SKULL ONLY 969 ♂ (TES 4X6)	"	"	"	105-41-12-8 ^(W)	8.0
SKULL ONLY 970 ♂ (TES 3X5)	"	"	"	106-40-12-8 ^(W)	8.0 [±]
SKULL ONLY 971 ♂ (TES 4X6)	"	"	"	103-36-12-8 ^(W)	9.0

Dec. 29

972 JUV. ENSATINA (125[±] FT.)

973 ♂ (TES 9X12mm CPI0?)	THOMOMYS	BOTTAE MINOR	248-84-29-7 ^(W)	194.3
974 ♀ (NO EMB'S)	NEUROTRICHUS	GIBBSI HYAL...	118-39-16-5 ^(W) (10 ⁺ FT.)	13.8
SKULL ONLY 975 ♀ (NO EMB'S)	Sorex	VARIANS VARIANS	98-43-12-7 ^(W)	5.1
SKULL ONLY 976 ♀ (TES 3X4)	"	"	101-41-12-8 ^(W)	6.4
SKULL ONLY 977 ♂ (TES 3X4)	"	"	109-43-12-8 ^(W)	6.9

A.C. ZIEGLER
1957

CATALOG

WENO ENK VALLEY, 75[±] FT., MARIN CO., CALIF.

DEC. 29 (CONT.)

SKULL ONLY	(YES)				
978 ♂	(4x5mm)	Sorex	<u>VAGRANS VAGRANS</u>	106 - 40 - 12 - 7 ^(N)	7.3
SKULL ONLY	(NO)	"	<u>TROWBRIDGEI</u>	<u>MONTE</u>	
979 ♀	(EMB ₅)			21 - 50 - 13 - 9 ^(N)	7.8
SKULL ONLY	(YES)	"	<u>VAGRANS VAGRANS</u>	111 - 40 - 12 ¹ / ₂ - 8 ^(N)	8.1
980 ♂	(4x5)				

4.5 MI. E, 6.5 MI. S SAN BENITO, SAN BENITO CO., CALIF.

Dec. 30, 1957

COLL WM. Z. LIOCHKE

981 ♀ (2 ET. 2 LT. 17mm EMB₅) PEROMYSCUS MANICULATUS 152-67-18-17^(N) 22.5mm

ENO 1957 CATALOG

Ziegler, A. C.

Aug.-Dec. 1957

Journal

A.C. ZIEGLER
1957

JOURNAL

GUALALA, MENDOCINO CO., CALIFORNIA

AUG 19 LEFT BOSTON ABOUT 2:23 PM & ARRIVED GUALALA TOWARDS TWILIGHT. GOT STUCK IN MUDHOLE JUST ACROSS GUALALA RIVER ON SONOMA CO. SIDE & SPENT NIGHT WITHOUT SETTING TRAPS.

AUG 20 GOT OUT OF MUDHOLE & LEFT ABOUT 11 AM. SAW PAIR OF PIGCOLAPTES WARBLERS PARTING AROUND IN BRUSH AT MUDHOLE. DROVE WESTWARD TO EUREKA, HUMBOLDT CO., WHERE WE HAD A FLAT & CAMPED ON EEL RIVER NEAR REDWOOD ON HIGHWAY 101.

(AUG 21) SET OUT 34 ^{SHERMAN} ^{HOLES} LIVE TRAPS BUT GOT ONLY 2 PEROMYSCUS IN BRUSH & DRIFTWOOD 100 YDS FROM RIVER — RELEASED THEM.

BARK SHAWY CAMP, ^{3700 FT.} T. 12N, R. 5E, Sec. 13, SISKIYOU CO., CALIF.

AUG 21 GOT HERE ABOUT 6 PM & SET UP CAMP. SET OUT 50 MUS. SPECIES IN SMALL MOIST GULLY BESIDE SMALL STREAM AND ON DRY HILLSIDE OF CONIFERS. ALSO 3 RAT TRAPS ON DRY HILLSIDE. 34 SHERMAN LIVE TRAPS UP ANOTHER DRY HILLSIDE ALONG WITH 3 MORE RAT TRAPS. 1 MORE RAT TRAP IN CAMP. BY 10:30 AM ON AUG. 21 HAD CAUGHT 4 PEROMYSCUS & 1 CHATHAMOMYS IN THE WET GROUND ALONG STREAM. LIVE TRAPS NOT CHECKED THIS NIGHT. DR. BENSON SHOT A SCREECH OWL IN CAMP ABOUT 9:00 PM.



A.C. ZIEGLER
1957

JOURNAL

GUALALA, MENDOCINO CO., CALIF.

AUG. 20
(CONT.)



TRUCK IN MUDHOLE ON SONOMA CO. SIDE OF
GUALALA RIVER. DR. BENSON (IN PHOTO)
TRAPPED Sorex benoiei IN WET UNDERBRUSH
ON OPPOSITE SIDE OF TRUCK LAST SUMMER.
LOGGING OPERATIONS HAD TORN UP AREA.
WE DO NOT REAP THIS AREA. ROAD LEADS (TO
RIGHT) DOWN TO CAMPING SPOT ON GUALALA
RIVER. HIGHWAY 1 JUST BEHIND TREES ON OPPOSITE
SIDE OF TRUCK.

A.C. ZIEGLER
1957

JOURNAL

BASH SHANTY CAMP, ^{3700⁺ FT.} T 12 N, R, SE, Sec. 13, Siskiyou Co., Ore.

AUG 21 (CONT.) DRIVING IN THIS AFTERNOON FROM ORLEANS
(HUMBOLDT CO ON HIGHWAY 96)
THANKS TO ASST. RANGER BILL (or BOB?)

LANCASTER AT RANGER STATION AT ORLEANS.

SAW 2 or 3 CHIMUNKS ON ROAD, AMERICAN
GRISCONS WHICH DA BENSON SHOT + 2 or 3

SCIURUS DOUGLASSI WHICH WERE SHOT AT,
BUT ESCAPED. SAW FLICKER + JUNCO ON

ROAD DRIVING IN. LOCALITY IS SHOWN
ON U.S. DEPT. AGRIC.; FOREST SERVICE MAP

ORLEANS DISTRICT; SIX RIVERS NATL. FOREST

CALIFORNIA REGION 1955 OBTAINED AT

ORLEANS'S RANGER STATION. DO NOT HAVE

RECORD OF MY LAST SPECIMEN NUMBER

BUT THINK IT IS CLOSE TO 790 SO WILL
START WITH THAT NUMBER ON THESE SPECIMENS

DISCARDING NUMBERS WHICH I MAY HAVE

SKIPPED OR MAKING ANY DUPLICATED NUMBERS

WITH SUFFIX "A" AND "B".

NOTE SEPT. 7, 1957 LAST # WAS 788
SO ONLY # 789 HAD TO BE DISCARDED
A.C. ZIEGLER

AUG. 22. CAUGHT NOTHING MORE IN MY 50 MUS SPEC'S

IN MARSHY GROUND AND ON DRY HILLSIDE. NOTHING

IN 6 RAT TRAPS ON DRY HILLSIDES. 3 PEROMYSCUS

+ 1 CHETHAIONOMYS IN LIVE TRAPS TWO. TURNED LOOSE

1 HALF-WAY YOUNG PEROMYSCUS + PUT IN OTHER MICE.

AT ABOUT 10:30 AM RAN ALL TRAPS + FOUND ONLY
A EUTAMIAS IN LIVE TRAP. AT 3:30 PM HAD CAUGHT

A YOUNG EUTAMIAS IN MUS SPEC IN THE FOOT-WIDE

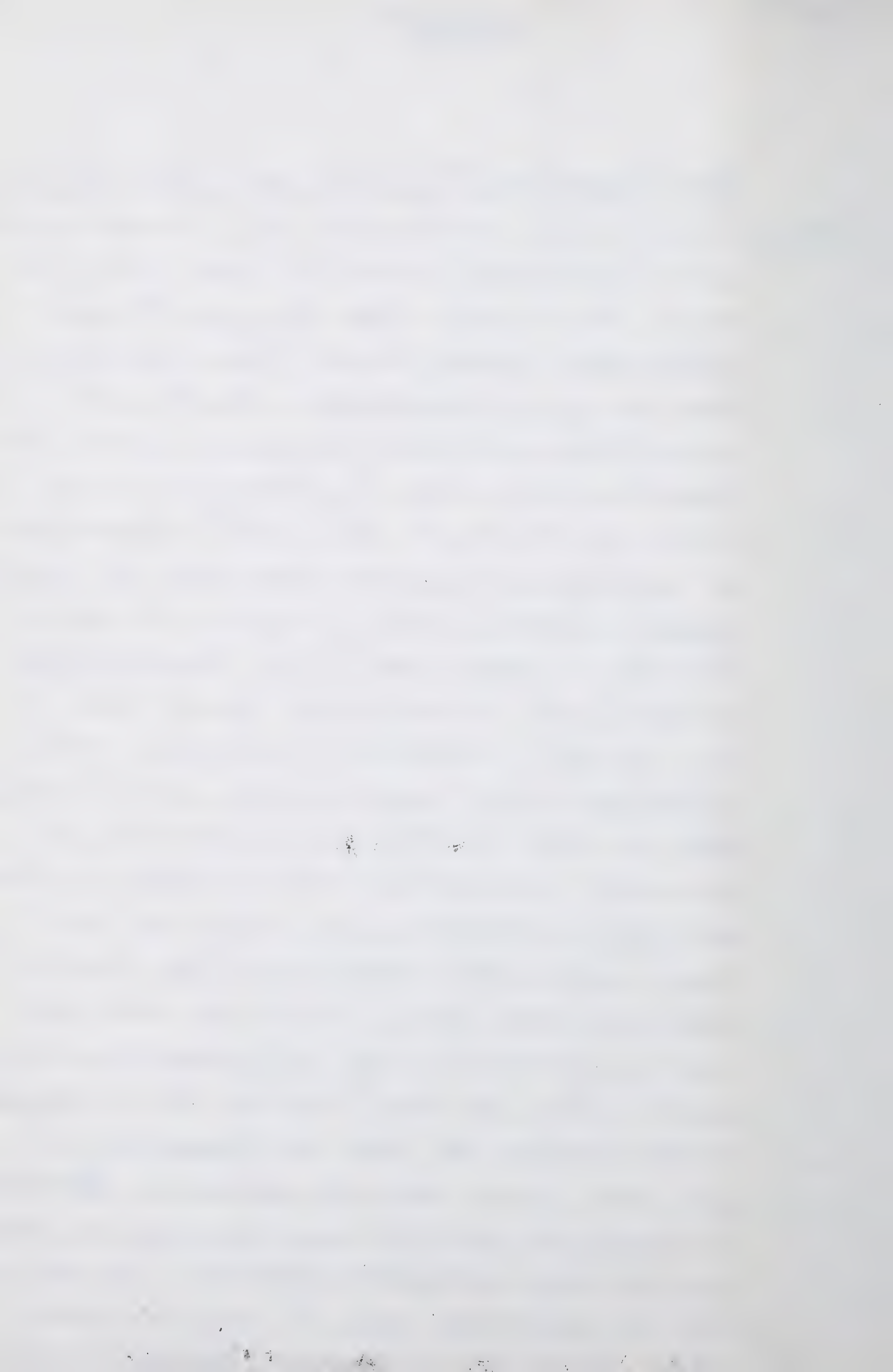
STREAM BED AND A SCIURUS DOUGLASSI IN RAT TRAP

A.C. ZIEGLER
1957

Township
~~CATIA~~

AUG. 22
(CONT.)

BACK SHANTY CAMP, ^{3700⁺ FT.} T. 12N, R. 5E, SEC. 13, Siskiyou Co., Calif.
IN THE LIVE TRAP LINE. WILL RELEASE THE
YOUNG Eutamias CAUGHT IN MUS. SPEC. AS
HE IS STILL ALIVE. SAW STERLESS TAYLOR
WOODPECKER AROUND CAMP. HEARD CHICKADEE (?)
AND A DOWNY WOODPECKER. DR. BENSON
IDENTIFIED SOME PLANTS AROUND CAMP. THE
PRINCIPAL TREES ARE DOUGLAS FIR 3-4 FT.
IN DIA. + 80-100 FT TALL. WITH A FEW YEW
+ INSENSE CEDARS AND WHAT MAY BE SUGAR
PINES. GROUND COVER IS MOSTLY 3 FT HIGH
SHRUBS — SANDER OAK (?) BAY, BLACKBERRIES
A FEW FERNS IN WET SPOTS, SOME SORT
OF CRICAN (HUCKLEBERRY??) AND SOME HERBS
(KHAMATH WOOD?, SOME LILIAEID, etc.). THERE
ARE A FAIR NUMBER OF FALLEN LOGS ON
HILLSIDES. DR. BENSON FOUND WHAT HE IDENTIFIED
AS BEAR DROPPING ALONG ROAD INTO CAMP.
SOME MOUSE, ABOUT PEROMYSCUS SIZE FROM ITS
DROPPINGS GOT INTO 2 OF MY LIVE TRAPS, AND
BAIT + MANAGED TO PULL OPEN DOOR & GET OUT
AGAIN. ^{AT 6:30 AM.} RAN LIVE TRAPS, + GOT AN ADULT Eutamias
ON DRY HILLSIDE AT BASE OF DOUGLAS FIR IN
RAT TRAP. SKULL BROKEN SO DISCARDED. CAUGHT
A GEOPHOMOTUS ON THE SAME HILLSIDE AT 6:40 AM
RUNNING THRU UNDERBRUSH ON GROUND. HAVE SET-
OUT 50 MORE MUS SPEC'S $\frac{1}{4}$ MILE UP ROAD
FROM CAMP. IN THICKETS OF DOUGWOOD + 3 FT HIGH



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1957

JOURNAL

BRACK SHAWNY CAMP ^{3700⁺ FT.} T. 12N, R. 5E, SEC. 13, SISKIYOU Co., CALIF.

AUG 22
(CONT.)

OAK BUSHES AND ALSO ALONG LOG~~S~~ COVERS.
SET OUT 10 SCHYULGERS BAITED WITH PRUNES
& PIECES OF SQUIRREL MEAT BETWEEN FIR
TREES & IN GULLY BEHIND CAMP AT TWILIGHT.
RAN ~~THE~~ TRAPS IN WET GULLY & LIVE TRAPS.
HAD 1 PEROMYSCUS IN SNARE TRAPS & A EUTAMIAS
& A PEROMYSCUS IN LIVE TRAPS. ~~LATER~~ NEITHER
PEROMYSCUS PUT UP. CAUGHT A RANA BESIDE CREEK
2 OR 3 OTHERS SEEN THERE ALSO. DR BENSON
TELLS ME HIS SCREECH OWL'S STOMACH WAS
FULL OF GRASS HOPPERS OF SOME SORT WHICH
ARE SEEN AT NIGHT AROUND THE TRAPS &
IN THE WET GULLY. THE OWL WAS ON GROUND
WHEN FIRST SEEN. HEARD A SCREECH OWL THIS
PM AT 10:15 BEHIND CAMP.

AUG 23 RAN & PICKED UP AM TRAPS THIS AM AT 7:30
OR 8:00. GOT NOTHING IN 10 SCHYULGERS & IN 50
MUS SPEE'S & 3 RAT TRAPS IN WET GULLY.
IN THE 50 LIVE TRAPS & 3 RAT TRAPS GOT
1 EUTAMIAS, 2 PEROMYSCUS & 1 CLITHRONOMYS.
IN 50 MUS SPEE'S ON THE ROAD IN DOGWOOD
& SCRUB OAK GOT 1 SOEY NEW BRIDGE (?) TRAIL
& 3 PEROMYSCUS. PACKED & LEFT AT ABOUT
2:30 PM. SAW 2 CANADA JAYS NEAR CAMP
AT 10:30 THIS AM. ALSO EARLIER IN AM
SAW RED-BREASTED NUTHATCH. DR BENSON
CAUGHT TUMBLE WREBLER IN TRAP.

A.C. ZIEGLER
1957

JOURNAL

^{3700± FT.}
BARK SHANTY CAMP, T. 12N, R. 5E, Sec. 13, Siskiyou Co. Ore.

AND

^{4300± FT.}
AUG. 21-26 ELK VALLEY GUANO STA. T. 14N, R. 4E, Sec. 23, Del Norte Co. Ore.

SEE ALSO U.S.G.S. TOPO PRESTON PEAK, 1922

ELEVATION FROM THIS MAP.

AND U.S.G.S. TOPO ORLEANS, 1952.

C. Zieglar
1957

Journal

R. 4E
(GASQUET DIST.)

R. 5E

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
ORLEANS DISTRICT
SIX RIVERS NATIONAL FOREST
CALIFORNIA REGION
1955

Scale 0 1 2 3 4 5 Miles

LEGEND

—●— National Forest Boundary	—●— District Ranger Station
—●— Adjacent National Forest Boundary	■ Guard Station not permanently occupied
== Main Motor Road	△ Permanent Lookout Station
== Good Motor Road	× Mine
== Poor Motor Road	--- Transmission Line
- - - Trail	—●— Improved Forest Camp
△ Improved Picnic Area	

REPORT FOREST FIRES TO NEAREST FOREST STATION,
PEACE OFFICER OR TELEPHONE OPERATOR



C. Ziegler
1957

Journal

R. 4E (GASQUET DIST.)

R. 5E

R. 6E

HAPPY CAMP



A.C. ZIEGLER
1957

JOURNAL

ELK VALLEY GUARD STA. ^{4300 ± FT.}
T. 14 N, R. 4 E, SEC. 23, DEL Norte Co., CALIFORNIA

AUG. 23 ARRIVES ABOUT 6:00 PM + SET UP CAMP. GOT ~~LAMBERT~~
METAMORPHOSING(?) SAMANANCE IN 4 INCH DEEP STREAM
BESIDE CAMP, WHICH IS APPARENTLY BLUE CREEK
FROM SIGN ON BRIDGE. STREAM IS VERY SLOW
FLOWING. ELK VALLEY HAS A MEADOW ABOUT 1500 OR
200 YDS LONG + 100 YDS. WIDE SURROUNDED WITH
80-100 FT. TALL FIRS OF SOME SORT + RED(?) CEDARS.
THERE IS AN OLD FIRE GUARD CABIN IN THE
MEADOW - APPARENTLY CLOSED FOR YEARS. THE
BED OF BLUE CREEK PASSES THRU MEADOW BUT IS
DRY THIS TIME OF YEAR APPARENTLY. AT EDGE
OF MEADOW CREEK HAS WATER AS MENTIONED
ABOVE + FLOW ~~ED~~ UNDER A BRIDGE NEARBY +
DOWN A FLATTISH ROCKY BED. MEADOW IS
DRY WITH SOME SPARSE GRASS IN MOST SPOTS
BUT ~~WITH~~ RATHER THICKISH GRASS IN OTHERS.
THERE ARE A FEW CLUMPS OF WILLOWS IN
SPOTS THERE ALSO. WE MET A LUMBER CO.
OWNER - MR. LAMBERT OF LAMBERT LUMBER CO.,
WHO WAS AT THE MOMENT PROSPECTING FOR
CHROME ORE WHICH HE SAYS CAN BE TOLD BY
ITS BROWN "SNEAK". HE BUNDLES INTO SPOTS
WE ARE THEN PICKS ~~THE ARE UP~~ ^{THE ARE UP} TO SEE - HE
GAVE SOME INFO ABOUT ANIMALS. DID NOT
KNOW CITELLUS LATENSIS OR PEROMYSCUS
LONGICAUDUS BUT DID KNOW FLYING SQUIRRELS.
DID NOT THINK MARMOTS OCCURRED HERE.
HE SAID BEARS, DEER + 1 ELK WERE IN AREA.

A. C. ZIEGLER
1957

JOURNAL

4300 ^{FT.}
Elk Valley Guard Sta., T. 14N, R. 4E, Sec. 23, Deuel Co., CAN. D.

AUG 23
(CONT.)

SHOT BATS IN EVENING OVER MEADOW. DR. B. -
GOT 1 + I SHOT 1, HEARD IT HIT THE GROUND
BUT COULD NOT FIND IT. SET OUT 3 ^{+ 3 RAT TRAPS} LIVE
TRAPS ON DRY HILLSIDE + ALSO IN SOME
WET SPOTS WITH FOOT-HIGH GRASS AND 3 RAT
TRAPS IN SAME LINE. SET 50 MUS SPEC'S
ALONG A SIDE BRANCH OF BLUE CREEK ON
ROAD AT END OF MEADOW. GOT A Sorex
TROWBRIDGEI AT DUSK. ALSO A Peromyscus
IN LIVE TRAP. GOT A Thomomys IN MOUSE
TRAP ~~AFTER~~ AFTER DUSK.

AUG 24 RAN TRAPS THIS AM. IN LIVE TRAPS GOT 4 OR
5 Peromyscus maniculatus, + 1 Sorex trowbridgei.
IN MUS. SPEC'S. GOT 4 OR 5 Peromyscus maniculatus
1 Microtus (DISCARDED - SKULL BROKEN) + 1 Sorex
TROWBRIDGEI BONY EATEN ON THE SNOUT, AND 1
Eutamias (SKULL BROKEN). SET OUT 11 ~~GENERAL~~
TRAPS IN 5 SETS IN MEADOW. SET 10
SCHUYLKERS ON LOGS AND ALONG TOP OF
CREEK BANK. GOT A Citellus beecheyi DOUGALLI
BESIDE A Rubus (parviflorus?) BUSH. RAN
ALL TRAPS DURING DAY FROM 10:00 AM ON +
GOT 1 Peromyscus maniculatus IN A LIVE
TRAP + 1 IN A MUS. SPEC. BETWEEN 8:00 +
10:00 AM. ALSO A COUPLE MORE Eutamias
WITH BROKEN SKULLS. ~~5~~ ⁵ Thomomys maniculatus
IN MEADOW TRAPS. FOUND A Rana moorei

A. C. ZIEGLER
1957

JOURNAL

AUG. 24
(CONT.)

4300 ± ft.
E. Vanhook Guard Sta., T. 14N, R. 4E, Sec. 23, DeWette Co., Calif.
ROCK IN CREEK & 8 or 9 more GILDED SALMON-
DORS UNDER ROCKS IN STREAM OR SITTING IN
ASSENT ON CREEK BOTTOM. GOT A FAIRCHA
SWIMMING IN POOL IN CREEK BELOW
BRIDGE. DR. B. SHOT ANOTHER BAT (LASIONYCTERIS) ^{THIS AM.}

AUG. 25 RAN ALL TRAPS TWICE BEFORE NOON. GOT
Neotoma ~~alvina~~ IN SCHUYLER. 2 MICROTUS
— 1 IN WET BUSHY SPOT ALONG STREAM &
1 IN AVENUE IN MEADOW WITH WILLOWS. 2 EUTAMIAS
IN RAT TRAPS ON LOG ON DRY HILLSIDE & 1
IN MUS SPTR BESIDE POOL. (2 OF THESE WERE
DISCARDED.) ^{SAW A THAMNOMYS ON ROCKS IN STREAM TODAY.} PUT UP SPECIMENS, SHIFTED
GARDEN TRAPS AROUND TO NEW SPOTS — SOME
ON WOODED SHADE IN GRASSY SPOTS — BUT GOT
NO MORE THAMNOMYS PACKED & LEFT AT
3 P.M. ABOUT NOON OR 1:00 P.M. 2 FELLOWS
CAME IN A PICK-UP TRUCK & WERE APPARENTLY
LOOKING OVER THE CHROME ORE SITUATION
ALSO. DRIVING OUT DR. B. SHOT A YOUNG
CITELLUS LATRANIS & SHOT AT ANOTHER NEAR
A ~~SPOT~~ CANIBO SERPENTINE WAD 3 or 4
MILES FROM OUR CAMP. HE ALSO SHOT A
SOOTH GOOSE ON THE ROAD. WE HAD A YOUNG
ONE FOR SUPPER LAST P.M. DR. B. SHOT HAS
SEEN JUNCOS, A BROWN CREEPER, HEARD ROBIN,
NUTHATCH. LAST P.M. AT TWILIGHT SAW A LARGE
OWL WAY UP FLYING ALONG & COULD JUST SEE

A.C. ZIEGLER
1957

Journal

AUG. 25
(CONT.)

ELK VANGUARD STA., 4300[±] FT., T. 14N, R. 4E, SEC. 23,
Deer Valley Co., ORIF.



MEADOW AT GUARD STATION (FAR LEFT) LOOKING
NE FROM OUR CAMP. A FEW MICROTUS SEEN
IN GRASS IN CLOSE FOREGROUND, GOPHERS IN
CENTER LEFT OF PHOTO. BATS SHOT OVER THIS
CLEARING. DRY STREAMBED IN RIGHT CENTER
OF PHOTO.

A. C. ZIEGLER
1957

JOURNAL

4300[±] FT.
ELK VALLEY GUARD STATION, T. 14 N., R. 4 E., Sec. 23, De Norte Co., Calif.

AUG. 25
(CONT.)

A SMALLER BIRD CHASING IT - IT SEEMS odd
THAT THE SMALLER BIRD - WHATEVER IT WAS -
WOULD BE CHASING THE OWL THIS LATE IN THE
DAY AS IT WAS ALMOST DARK. I SAW 4
OR SO SOOTY GROUSE IN CEDAR BUSH. DR. B.
SAW FLOCK OF YOUNG + ADULT MT. QUAIN IN
WILLOWS IN MEADOW. HE SAW WHAT HE THOT
WERE APLODONIA BURROWS BEYOND OUR MEADOW.
PHOTO OF MEADOW LOOKING NE TODAY. ² SCURUS GRISCU
JCT. 4-MILE CREEK + CLEAR CREEK, T. 15 N., R. 6 E., SEC. 4, ^{1400[±] FT.} SUTTER CO., CALIF.

AUG. 25
(CONT.)

LOOKING FOR A LOCALITY OF JOHNSON + PRIMER
1935 MICE COLLECTING LOCALITY ON CLEAR CREEK.
COULD NOT SEEM TO FIND A ROAD TO LOCALITY.
WERE CAMPED ON 4-MILE CREEK ABOUT
200-300 FT. FROM ITS JUNCTION WITH CLEAR CREEK.
SET ABOUT 50 MICE TRAPS UP THE
SIDES + BANKS BESIDE 4-MILE CREEK FOR
NEOTOMICHUS + SONG PAWSONS AT 7:30 PM
TODAY.

AUG. 26 RAN THE 50 TRAPS + GOT ONLY 3 PEROMYSCUS
MANICULATUS, 2 OTHER MICE SPRUNG. DR. BENSON
SET AN HIGHER ORDER GROUND ~~TRAP~~ AWAY FROM
THE STREAM + GOT 2 PEROMYSCUS MANICULATUS,
7[±] P. BOYLEI, + 3[±] P. NEVEI. WILL NOT SAVE
ANY OF THESE MICE I CAUGHT ~~TODAY~~ ^{NEVEI}. BROKE
CAMP + LEFT AT ABOUT 10:30 AM. COUNTRY HERE VERY
HILLY WITH FIR + OAKS. HEARD CHICKADEES.



A.C. ZIEGLER
1957

JOURNAL

1400⁺ FT., T. 15N, R. 6E, Sec. 2

Jct. 4-MILE CREEK & CHERRY CREEK, SISKIYOU CO., CALIF.

AND

AUG. 26-31

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

SEE ALSO U.S.G.S. TOPO'S SEIAD, CALIF., 1922
AND PRESTON PEAK, 1922

ELEVATIONS TAKEN FROM THESE MAPS.

A.C. Zeller
1957

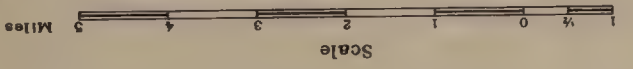
To Klamath

R 5 E
CO. CO.

U.S. 199

R 6 E

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
HAPPY CAMP DISTRICT
KLAMATH NATIONAL FOREST
CALIFORNIA REGION
1955



LEGEND

- National Forest Boundary
- Adjacent National Forest Boundary
- Guard Station not permanently occupied
- District Ranger Station
- Main Motor Road
- Good Motor Road
- Poor Motor Road
- Trail
- Improved Forest Camp
- Mine
- Transmission Line
- Railroad
- Improved Picnic Area

REPORT FOREST FIRES TO NEAREST FOREST STATION,
PEACE OFFICER OR TELEPHONE OPERATOR.



A.C. Zeller
1957

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U.S. 199

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A. C. ZIEGLER
1957

JOURNAL

Aug-26
(CONT.)

Jct. 4-Mile Creek & Clear Creek, ^{1400 ft.} T. 15N, R. 6E, Sec. 2 Siskiyou Co., Calif.

2 PILGEATED WOODPECKERS & SAW 4⁺ MT. QUARRY

LOCALITY IS REACHED BY GOING NE ON HIGHWAY
1.2 MI. PAST TOWN AT CLEAR CREEK (Post office, NASTACE)
AND TURNING LEFT ONTO DIRT ROAD MARKED
KLAMATH NATL. FOREST; CLEAR CREEK ~~ROAD~~
FOLLOW THIS DIRT ROAD 5.2 MI. UNTIL A
BRIDGE MARKED 4-MILE CREEK IS REACHED
CAMPSIDE IS JUST TO LEFT OF ROAD AT
CLOSE SIDE OF BRIDGE. HAS AN OLD LANDING
& REMAINS OF A CABIN FLOOR - OTHERWISE
UNIMPROVED. WE DROVE ON DOWN ROAD
FOR 2 OR 3 MILE PAST OUR CAMPING SPOT
BUT COUNTRY LOOKED JUST ABOUT THE SAME.

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

Aug. 26
(CONT.)

ARRIVED ABOUT 500 PM & SET UP CAMP. POKER FLAT
IS A MEADOW ABOUT A QUARTER OF A MILE LONG
& 200 OR 300 YARDS WIDE WITH A STREAM RUNNING
OUT OF ITS SE END. THE STREAM IS ONLY A FOOT
WIDE & A COUPLE OF INCHES DEEP & AT THIS
TIME OF YEAR APPARENTLY FLOWS THRU ONLY THE
FURTHEST SE CORNER OF MEADOW. HAVE A DOZEN
COWS ARE GRABING HERE. IN FLAT IS APPARENTLY
10 INCHES HIGH OR SO AND ALSO SOME 4-FOOT HIGH
WINDROW THICKETS THRU WHICH THE STREAM MUST
FLOW WHEN THERE IS SURFACE WATER COMING DOWN
FROM SLOPES ON W SIDE. IN THE NOW SHOWING

F. C. ZIEGLER
1957

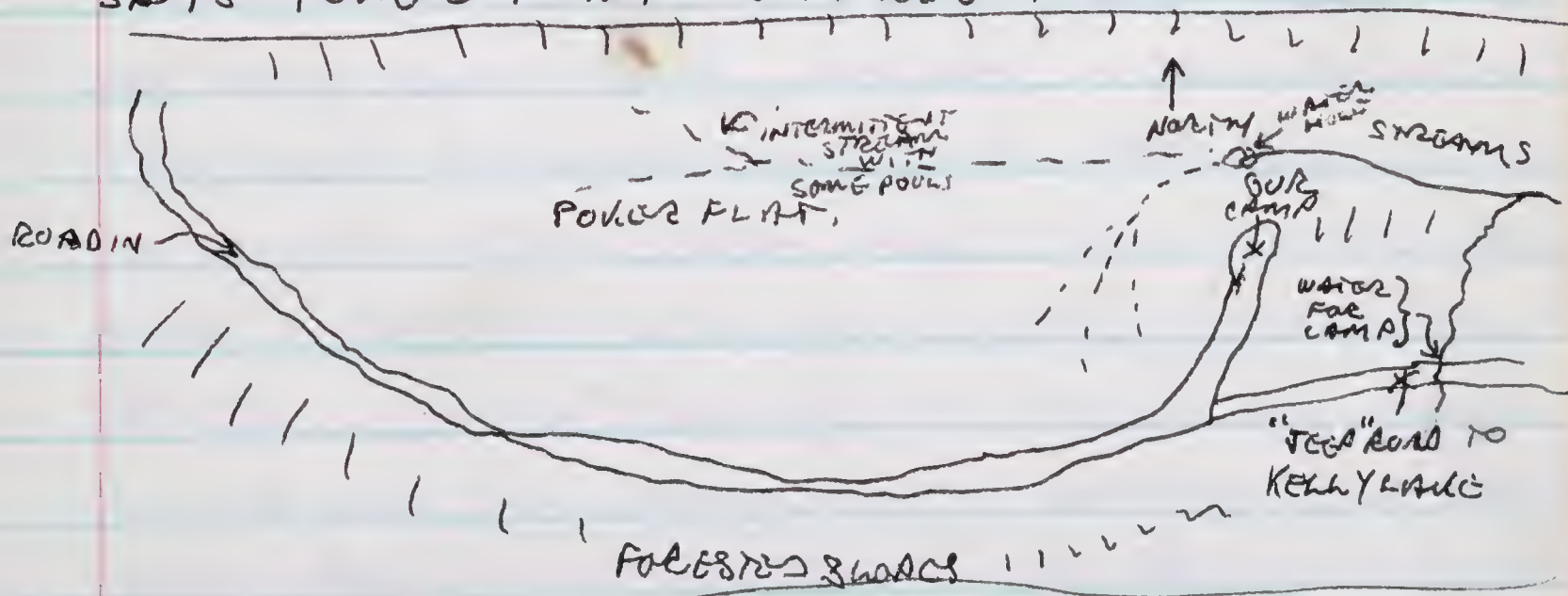
JOURNAL

AUG. 26
(CONT.)

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

DAMP GROUND AROUND THE WILLOW THICKETS GROWS A FOOT-TO FOOT-A-HALF-HIGH SCOOB OR ~~THE~~ PUSN. COVERING THE GROUND FAIRLY THICKLY IN SOME PLACES. SURROUNDING THE MEADOW (EXCEPT WHERE THE SMALL STREAM EXITS) ARE TANK FIRS + SOME OAKS MAKING THE SLOPES PARTLY SHROUDED BUT WITH NOT TOO MUCH UNDERGROWTH.

APPARENTLY IMMEDIATE AREA HAS NOT BEEN LOGGED RECENTLY IF EVER, BUT LOGGING IS BEING CARRIED ON ABOUT A HALF MILE AWAY NEAR THE ROAD ENTRANCE TO THE FLAT. FLAT IS REACHED BY TAKING ROAD OUT OF HAPPY CAMP, SISKIYOU CO., CALIF. ON INDIAN CREEK AND TURNING OFF 16.5 MILES FROM HAPPY CAMP TO THE RIGHT WHERE A ROAD FOREST SIGN SAYS "POKER FLAT 3 MILES".



WE ARE CAMPED ON A FLAT + WATER IS NEAR BUT DOWN SLOPE 50 YARDS SO WE HAULED WATER FROM

1. The first step is to identify the problem or question that needs to be answered.

A.C. ZIEGLER
1957

JOURNAL

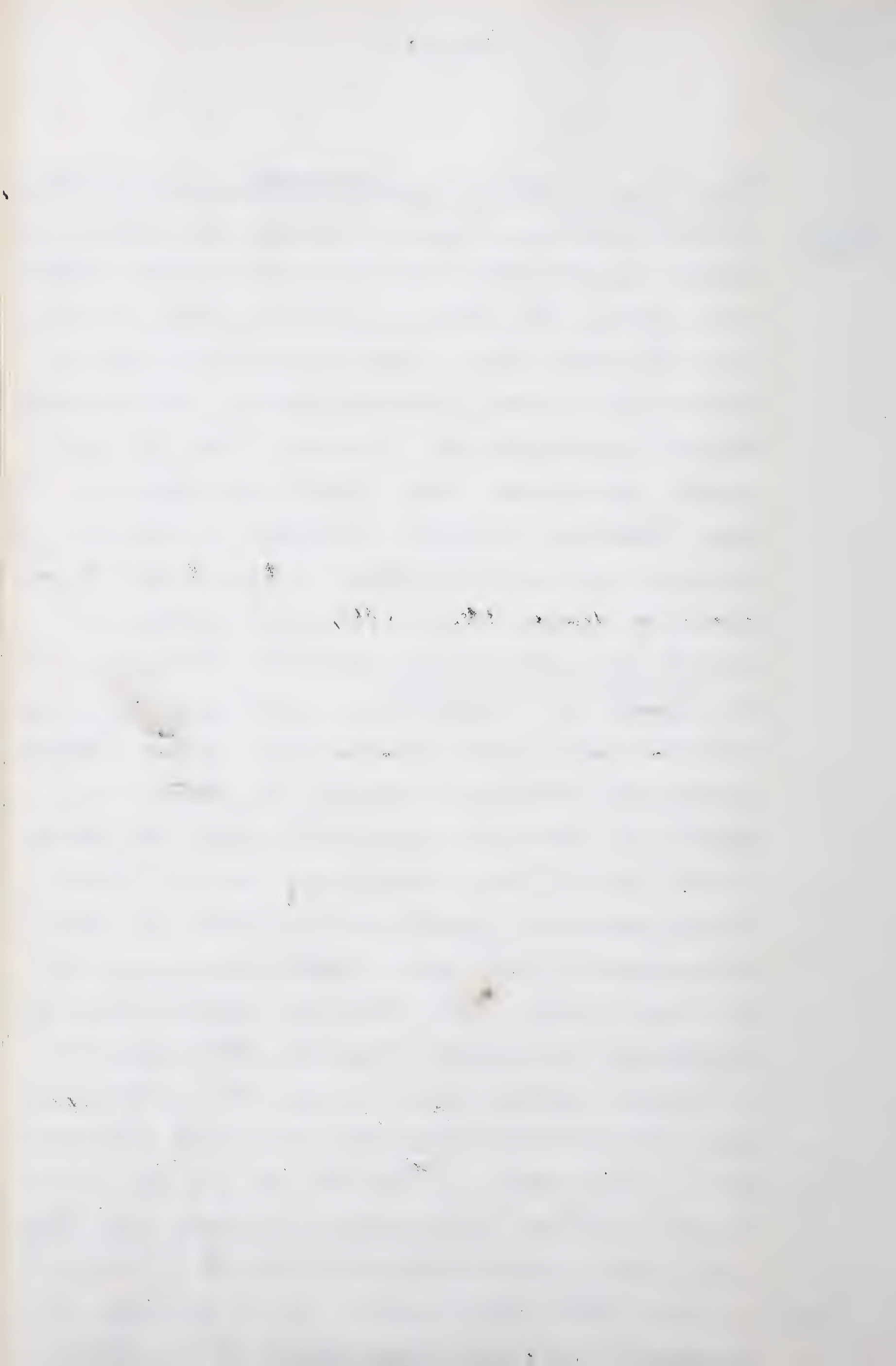
POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 26
(CONT.)

ANOTHER SMALL SWIFT STREAM CROSSING THE
KERRY ROAD JUST A QUARTER MILE FROM
CAMP SITE. NO HARKING BUT PICNIC TABLES.
SET 50 MUS. SPEC'S ALONG STREAM BELOW
CAMP IN GRASS, UNDER SMALL OVERHANGING
BANKS & UNDER LOGS THERE. SET 34 LIVE
TRAPS LEADING DOWN SLOPE & ALONG
THE "DRINKING WATER" STREAM CHASE TO
WHERE IT ENTERS THE POKER FLAT STREAM
ALSO 6 RAT TRAPS ALONG STREAM
BANKS ON LOGS & IN WADERS. ALSO SET
MUS. SPEC'S & 1 RAT TRAP.
50 ~~TRAPS~~ IN CIRCLES OUT INTO MEADOW GRASS
& THRU WILLOWS NEAR OUR CAMP. GARDNER
WORKING SEEN IN MEADOW & ~~ON~~ ON
BARKS OF FORGOTTEN SHADERS. SO SET 10 MAREAGE
TRAPS IN 5 SETS NEAR OUR CAMP. SOME
OTHER CAMPERS DROVE IN AT DAWN & TOOK
APPARENTLY THE ONLY OTHER CAMPING SPOT
ON THE FLAT. DR. BENSON IDENTIFIED A
GOSHAWKE FLYING & STAYING FAR SHORT
DISTANCES NEAR THE WOODS. HE LOOKED FOR
BATS FLYING OVER MEADOW AT DUSK BUT SAW
NONE. LOCATION IS SHOWN ON U.S. D. A. FOREST
SERVICE MAP. HAPPY CAMP DISTRICT, KLAMATH Natl. Forest,
1955. MOST OF TRAPPING WAS DONE IN SEC. 28, T. 18 N., R. 6 E.

AUG. 27

RAN TRAPS AT 8:00 AM GOT 1 GARDNER, 1
MAREAGE, SEVERAL PEROMYSCUS SP? AND A



A.C. ZIEGLER
1957

JOV ANNA

POKER FLATS 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 27 CLATHRIONOMYS OCCIDENTALIS IN LIVE TRAPS ON HILL-
SIDE ALSO 2 OR 3 PEROMYSCUS + 1 Sorex PAUCISPES
IN ^{LIVE} TRAPS ALONG STREAM. IN MUS SPEC'S + RAT
TRAPS ALONG STREAM GOT MORE PEROMYSCUS,
MICROTUS + ZAPUS. IN MUS SPEC'S IN
MEADOW AROUND WILLOWS + IN SEDGE GOT
1 Sorex PACIFICUS, SEVERAL MORE PEROMYSCUS
+ MICROTUS. SEVERAL TRAPS IN MEADOW
SPRUNG ALSO. A LIGHT FROST IN STREAM
BED + MEADOW THIS AM. TOTAL CATCH:
1 Sorex PACIFICUS, 1 Sorex PAUCISPES, 1 THOMOMYS
MONTICOLA, 22 PEROMYSCUS SSA.?, 6 MICROTUS,
1 CLATHRIONOMYS OCCIDENTALIS, 1 ZAPUS.

RAN TRAPS AT 2:00 PM. ALL EMPTY EXCEPT
THOSE IN SEDGE + WILLOWS IN MEADOW WHERE I
CAUGHT 2 MORE Sorex PACIFICUS.

RAN TRAPS AT 6:00 PM. ALL EMPTY EXCEPT
FOR 1 LIVE TRAP WITH A CLATHRIONOMYS. SET OUT
3 NUMBER 1 TRAPS IN BURROWS 5 INCHES IN
DIAM. WITH ALMOST A BUSHEL OF DRY DIRT + ROCKS
THROWN OUTSIDE OF THEM. DR. B. THINKS MAYBE
APLODONIA. THERE SET AT 7:30 PM. LOOKED
FOR BATS OVER MEADOW BUT SAW NONE.

RAN THE 50 MUS SPEC'S IN MEADOW, ^{AT MIDNIGHT} + GOT A
Sorex PACIFICUS, 2 MICROTUS + 2 OR 3 PEROMYSCUS
ALSO LOOKED AT APLODONIA SETS BUT THEY
HAD NOT BEEN TOUCHED.

A.C. ZIEGLER
1957

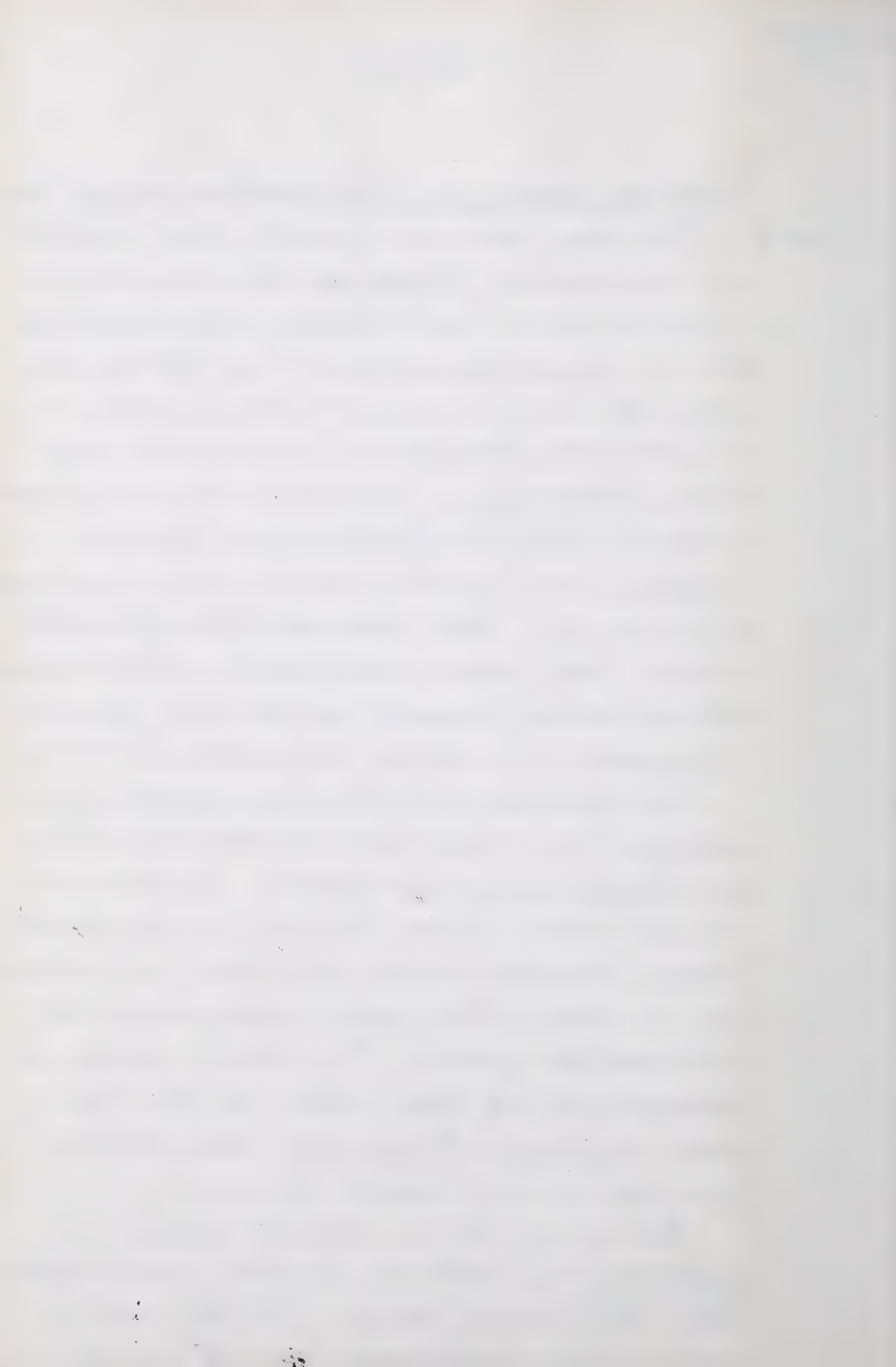
JOURNAL

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, Siskiyou Co., Calif.

AUG. 28 Ran all traps at 7:00 AM. Got 1 weasel in macabees. Apodonta sets NOTHING BUT 1 FILLED IN & 2nd SPRUNG. IN SCHUYLER got 1 Neotomacincera. IN MEADOW MUS SPEE'S GOT ONLY A COUPLE OF Microtus & A COUPLE OF Peromyscus. LIVE TRAPS HAD 3 or 4 Peromyscus. TRAPS IN STREAM BED HAD A COUPLE EACH OF Peromyscus & Microtus & 1 Zapus WITH CRUSHED SKULL. Got a MUSKIEA CAMINER IN RAT TRAP ~~WITH~~ ADJACENT BEHIND POOL BELOW OUR CAMP - APPARENTLY STRUCK WHILE RUNNING BEHIND TRAP. Dr. B. got GLAUCOMYS AT BASE OF STUMP BESIDE CAMP.

Ran traps at 2:00 PM. Got Eutamias amoenus? IN SCHUYLER ON DRY HILLSIDE Got Peromyscus IN LIVE TRAP. RESET ABOUT 18 MUS SPEE'S FROM STREAM TO THE SWIFT. STREAM FLOWING ACROSS THE ROAD TO KENNYHOLE. Set in grass & on moss under slightly overhanging banks. PUT MOUSE HEADS ON TRAPDOORS OF MY RAT TRAPS TO TRY FOR MORE WEASELS. 1 Apodonta set AGAIN FILLED IN SO I RESET IT.

At 6:30 SET 3 MORE #1 TRAPS IN Apodonta(?) BURROWS IN DRY SHADE BESIDE POOL BELOW OUR CAMP. SHOT AT BIRDS IN LITTLE MEADOW ALONG STREAM BUT GOT NONE.



A. C. ZIEGLER
1957

TOWNSHIP

Poker Flat, 5000 ft., 12 mi. NW Happy Camp, Siskiyou Co., Calif.

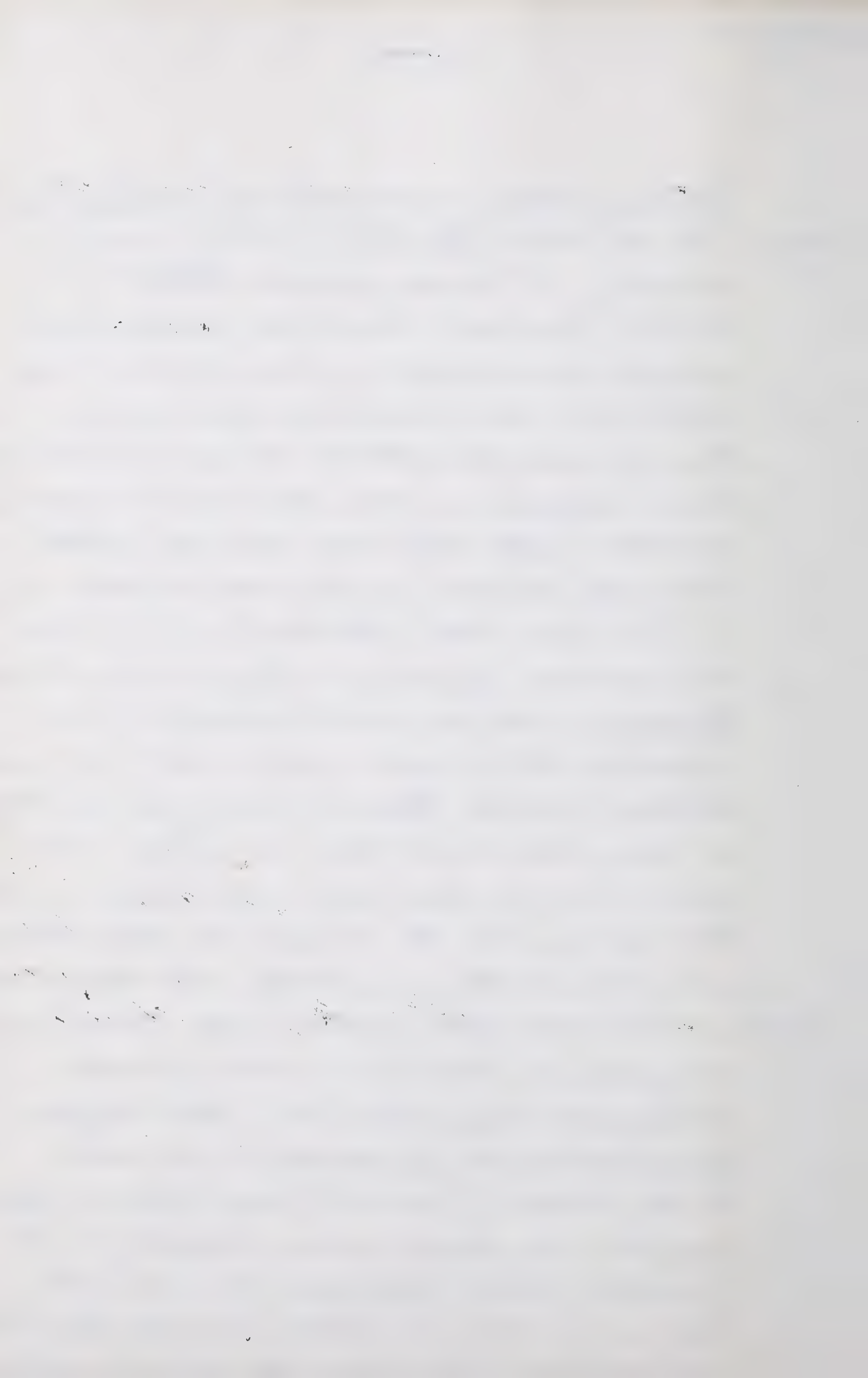
AUG 28
(CONT.)

Got 20[±] ADULT APEXUS (only 1 ♀) — 2 IN
AMPHIBUS, 5[±] METAMASPHYNIA ~~SP.~~ &
SEVERAL TADPOLES. Some Frogs UNDER ROCKS
& OTHERS OUT ON ROCKS — MOST FOUND WHERE
WATER RAN SWIFTLY RATHER THAN IN STILL
POOLS — DITTO FOR TADPOLES & METAMASPHYNIA. SAW
1 TRICHA IN POOL BELOW CAMP WHERE I
CANNOT GET NICE BUT COULD NOT REACH
DOWN FAR ENOUGH UNDER WATER TO CATCH IT.

Ran all traps BETWEEN 8 & 10 PM & GOT
2 OR 3 EACH MICROTUS & PEROMYSCUS. CHECKED
PHASOMIA SETS ON DRY HILLSIDE & HAD
TRAPPED ONE — RESET TRAP & LEFT IN SAME
BURROW SYSTEM. MOVED 1 SCHUYLER TO BASE
OF TANK DEAD STUMP NEXT TO A ^{LIVE} FIRE WITH A
LARGE NEST OF SOME SORT 4 FT. ACROSS & 2 FT.
DEEP 30 FT. UP IN IT & MADE OF DEAD BRANCHES
WITH LEAVES ATTACHED — MAYBE A SQUIRREL'S NEST.

AUG. 29

Ran traps ABOUT 8:00 AM & GOT A FEW PEROMYSCUS
& MICROTUS IN TRAPS IN WILLOWS IN FLAT.
A PEROMYSCUS & MICROTUS OR 2, AND A Sorex
TROWBRIORI & A CHETHIRIOMYS IN TRAPS
ALONG STREAMS. SCHUYLER HAD ONLY 1 NEOTOMA
CINEREA WITH CRUSHED SKULL. GARDNER SETS NOT
TOUCHED. 2 OR 3 PEROMYSCUS IN LIVE TRAPS.
TOOK IN ALL BUT 50 TRAPS IN FLAT. DR. B.
GOT ANOTHER GRACOMYS IN WOOD ON EDGE OF FLAT.



A.C. ZIEGLER
1957

Journal

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 29
(CONT.)



CAMP ON RISE AT S END OF FLAT.
DR. BENSON TOOK 2 GLAUCONYS 100 YARDS OR
SO FROM HERE IN SAME TYPE OF BIG TREE
AREA. STREAM WHERE ASCAPHUS^{OR'S} WERE TAKEN
LIES 50 YARDS DIRECTLY IN BACK OF TENT
AND DOWN SLOPE 50 FT. IN STREAM COURSE
LEAVING FLAT.

A. C. ZIEGLER
1957

JOURNAL

POWDER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 29
(CONT.)



VIEW OF MOST OF FLAT LOOKING APPROX. NE.
WILLOWS + SEDGE WHERE SOXY PACIFICUS TAKEN AT
EXTREME RT. CENTER OF PHOTO. STREAM RUNS
INTERMITTENTLY FROM LEFT TO RIGHT OF FAR SIDE
OF FLAT LEAVING AT EXTREME RT. BACK
OF PHOTO. BATS FLYING AT TWILIGHT SEEMED
TO BE RESTRICTED TO AREA WHERE THIS STREAM
NEARLY FLAT. ASCAPHUS IN STREAM OUT OF
PICTURE TO FAR RT., TARICHA IN POOLS IN
FAR CENTER OF PHOTO. ROAD TO CAMP IN
FAR GROUND. ROAD ENTERS FLAT TO FAR LEFT OUT
OF SIGHT. COPIES AROUND DRIER COVERS OR GRASSY MEADOW.

A.C. ZIEGLER
1957

Journal

POKER FLAT, 4000 FT., 12 m. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 29
(cont.)



SMALL WILLOWS + SEDGE ON WET GROUND
IN FLAT WHERE THE SOREX PACIFICUS WERE
TAKEN. TRAP BOX GIVES SCALE; LOOKING
APPROX. NE. MICROTUS LONGICAUDUS, PEROMYSCUS
MANICULATUS, JUNCOS + A CANADENSIS(?) WARBLER
ALSO TRAPPED AT OR NEAR THIS SPOT.

A.C. ZIEGLER
1957

JOURNAL

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 29
(CONT.)



WATER HOLE + SCOE-WILLOWS ALONG STREAM
DOWN SLOPE FROM OUR CAMP. TARICHA (1022)
IN POOL ON RT. ASCAPHUS TRAPPED IN CENTER OF
PHOTO BUT MOST FROM MORE OPEN, SWIFTER
PARTS OF STREAM DOWN STREAM TO FAR LEFT
OUT OF PHOTO. WEASEL CAUGHT ON NEAR END OF
LOG TO RT. OF SCOE. IN THIS SCOE ON WET
GROUND TRAPPED PEROMYSCUS MANICULATUS, MICOTUS,
1 Zapus. SHREWS APPARENTLY ABSENT OR NOT
BITTING IN THIS IMMEDIATE AREA.

A. C. ZIEGLER
1957

JOURNAL

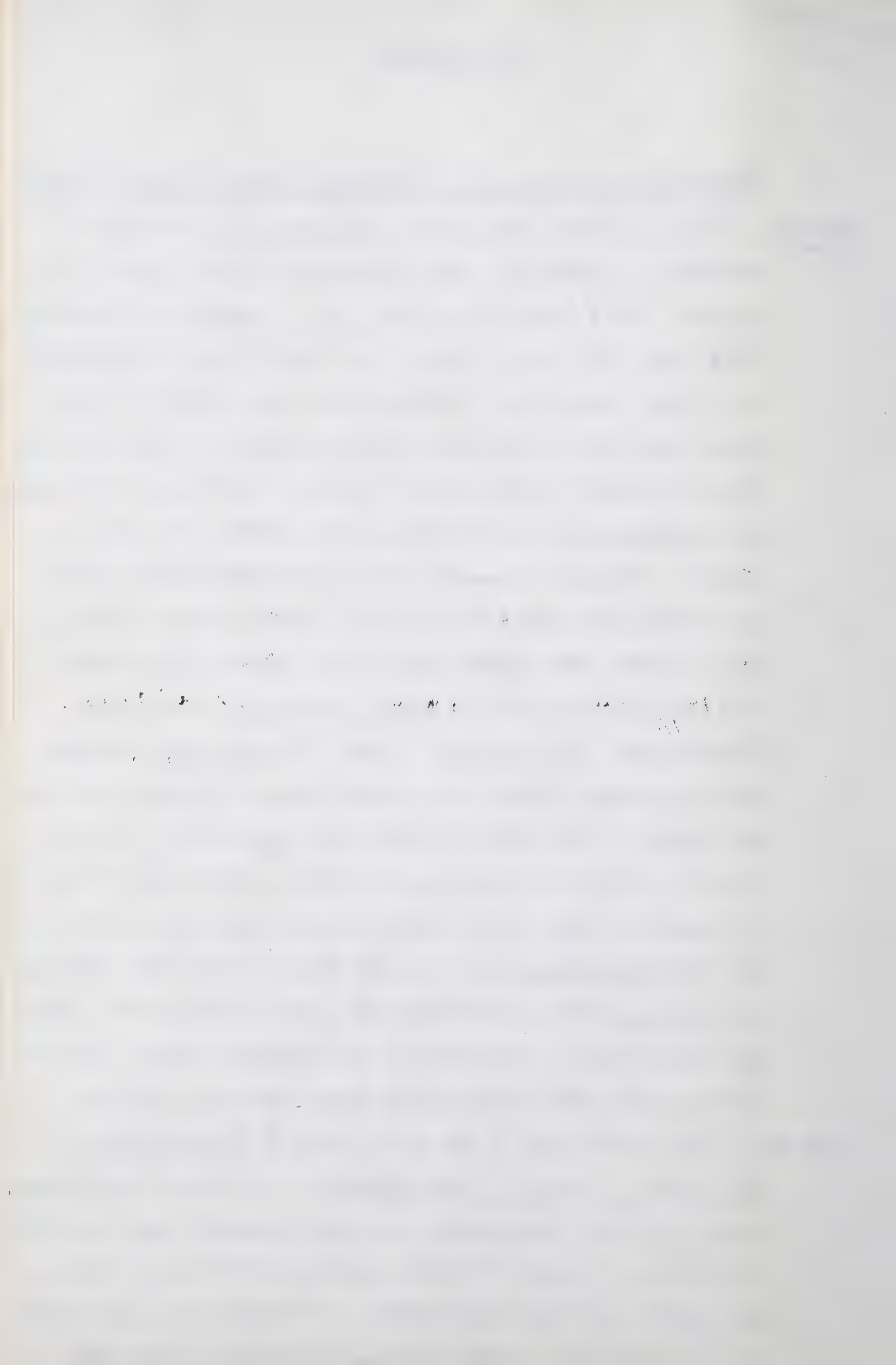
POKER FLAT, 5000 FT, 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG 29
(CONT.)

AT 11:30 AM FOUND ♀ PEROMYSCUS IN STREAM WHERE IT CROSSES KENNEY LAKE ROAD NEAR OUR CAMP. DR. B. GOT ♀ ALSO. NO TADPOLES SEEN YET. SET OUT 50 MUS TRAPS IN WET SPOTS IN MEADOW & INTO FENS ON HILLSIDE AT NE END OF FLAT. SONG IN AVES DUG OUT UNDER LOGS IN DAMP ORCHARD ALSO 3 RAT TRAPS WITH THEM. SET OUT 8 SCHUYLER (2 ALREADY OUT) ON LOGS & AT BASES OF TALL STUMPS AROUND CAMP WITH MOUSE HEADS, BIRDS & RAJONS AS BAIT. RAN 50 TRAPS THAT HAVE BEEN SET FOR LAST COUPLE OF DAYS IN WILLOWS IN FLAT. GOT A ♀ Sorex PACIFICUS AND A COUPLE OF MICROTUS. GOT 1 GARDNER WHICH MUST HAVE BEEN IN TRAP FOR SEVERAL HOURS OR MORE. SHOT AT BATS AT TWILIGHT BUT IF I HAD ANY I COULD NOT FIND THEM. DR. B. GOT 1 SMALL ONE BUT COULD NOT FIND IT. SAW 2 CANADA JAYS IN CAMP ABOUT 2:00 PM. HEARD AN OWL (HOO-HOO-HOO-AH) AT TWILIGHT. RAN 50 MUS TRAPS IN WILLOWS IN MEADOW AND THE 10 SCHUYLERS AT MIDNIGHT-HAD NOTHING IN ANY.

AUG. 30

RAN TRAPS AT 7:30 AM. GOT 9 PEROMYSCUS, 6 MICROTUS, 1 Sorex NEWBRIDGEI & TIP OF A CHITARRIA TRAIL IN 50 MUS TRAPS. + 3 RAT TRAPS SET IN NE CORNER OF FLAT AMONG WET SPOTS & IN FENS & LOGS. GOT NO GARDNER, NOTHING IN SCHUYLERS OR IN 4 #1 TRAPS SET IN BURROWS BY POOL



A.C. ZIEGLER
1957

Journal

POWELL FLAT, 1000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG 30
(CONT.)

JUST BELOW OUR CAMP. 50 MUS. SPECIES IN WILLOWS
& SEDGE IN FLAT HAD ONLY 1 MICROTUS & A
(CANADIAN?) WARBLER. TARICHA ACTIVE AT
8:00 AM IN POOL IN FLAT. - ADJOINING POOL
HAD THIN SKIN OF ICE. MUCH FROST - SOME
XTALS $\frac{1}{4}$ INCH LONG ON GRASS. DR. B. GOT A
SCIURUS DOUGLASSI IN SCHUYLER BUT IT WAS
BEING EATEN FROM HEAD BACK BY ~~GASTRORHINUS~~
THIS AM. INJECTED 7 MICROTUS OF DR. B.
& MIXED WITH ~~1~~ 1:19 (AMPHIBIAN ORIGIN) -
FORMALIN TO TRY TO SKIN THEM LATER. -
MAYBE THIS WILL TAKE PHOTOS AT EVENING.
LEFT AT ABOUT 1:45 PM. SAW DEER ON
ROAD TO HAPPY CAMP DROVE TO YREKA
ARRIVING AT 6:15 PM & ATE SUPPER THERE.
SAW SEVERAL BOVINE GROUND SQUIRRELS
DEAD & MORE ALIVE ON ROAD TO YREKA
ALSO A DEAD BLACK CAT & A WOLFING.
ARRIVED IN FOWLER CAMP, 6 MI. (BY ROAD) E of MT.
CLOUD, SISKIYOU CO., CALIFORNIA. 7 ⁺ ACNIC TABLES,
COLD WATER TAPS & ~~BARBECUE~~ LANCING. ABOUT
10 TRAINERS ~~ARRIVED~~ IN HORSE BUT WE FOUND
1 EMPTY SPACE WITH PICNIC TABLE. SOME ONLY
CAMPING LIMITED TO 15 DAYS. WILL NOT STAY
HERE TONITE.

AUG 31 LEFT AT 8:30 AM. & DROVE TO VICINITY OF MONTICLOMA
CREEK WHERE FOUND OUT DETAILS OF CARRISMAN'S RANCH
SEE DR. BENSON JOURNAL FOR DETAILS

A. C. ZIEGLER
1957

JOURNAL

SUPAN RANCH, 3400⁺ FT., 3 MI. E MONTGOMERY CO. P.O., SHASTA CO., CALIF.

AUG. 31

COMPLETE LOCALITY IS SW CORNER, Sec. 34, T. 35N, R. 1E. A SMALL LAKE DEVELOPED BY MR. ^{GROVER C.} ~~GORDON~~ SUPAN & STOCKED WITH TROUT FOR FISHERMAN. IS REACHED BY A DIRT ROAD USED PARTLY BY RANAH L. SMITH LUMBER CO. AND CUTTING OFF HWY 299 ABOUT A HALF MILE WEST OF HILLCREST FIRE (RANCH) SRA. "3 MI. E" IS AIRLINE MAP DISTANCE, BUT TRAIL IS FROM MR. SUPAN. SET OUT 50 MUS SPCE'S & 3 RAT TRAPS IN ^{MAPLE} ~~WILLOW~~ DOGWOOD - ~~BOLESLAW(?)~~ - ANDER THICKET & ALSO IN MICROTUS(?) PENS IN TALL GRASS & SEDGE AROUND LAKE. SET SAME KIND OF LURE AROUND A MUCH SMALLER LAKE N 50 YARDS OF BIGGER ONE. CALLED A BASSER SNAKE ^{AT 5:00 PM} IN MOUSE TRAP ON THICKET BY LAKE. ALSO COUNT BY HAND AN ANACARDIUM WIZARD AT 6:00 PM BESIDE SMALL LAKE AND 3 TARICHTA IN THE SMALL LAKE. THESE 3 WERE FAIRLY LARGE - SMALLER WERE SEEN BUT COULD NOT BE COUNTED. SHOT AT LARGE & SMALL BATS AT TWILIGHT & GOT 1 EPITERICUS. ALSO PUT UP 4 MICROTUS FROM ABOVE FIRST PRESERVED WITH ^{formalin} MAMMILLARIAS.

SEPT. 1

RAN TRAPS AT 8:00 AM. GOT 3 PEROMYSCUS & 5 MICROTUS SPR IN THICKET & AROUND BIG LAKE. 1 MORE PEROMYSCUS MAMMILLARIAS ENTERED IN TRAP. IN TRAPS AROUND SMALL LAKE GOT MICROTUS



A.C. ZIEGLER
1957

JOURNAL

AUG 31 -
SEPT. 2

SUPAN RANCH, 3400[±] FT., 3 MI. E MONTGOMERY CO. P.O.
SHASTA CO., CALIF.

SEE ALSO U. S. G. S. MAP. BUTNEY, CALIF., 1939

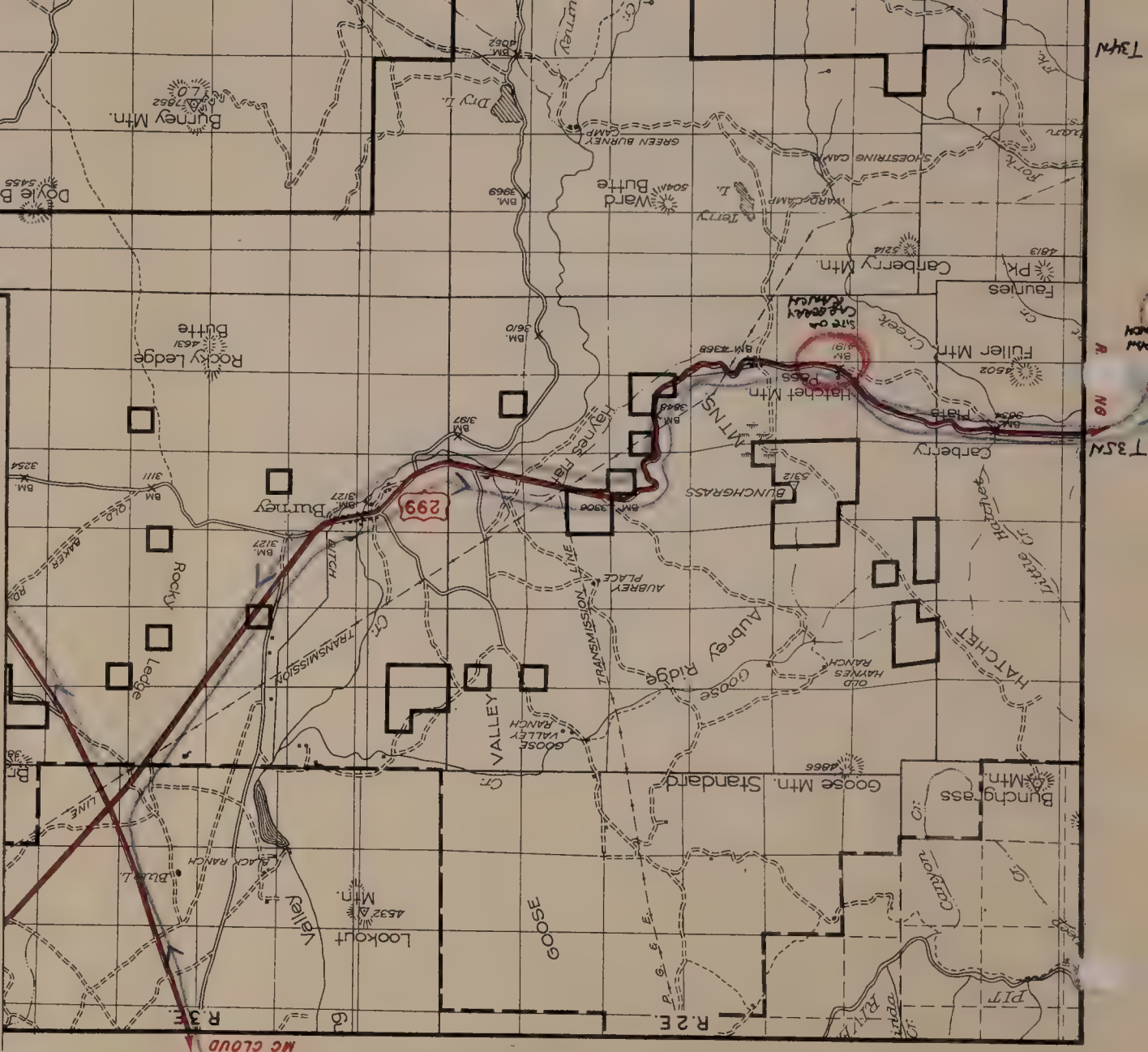
U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
HAT CREEK DISTRICT
LASSEN NATIONAL FOREST
CALIFORNIA REGION
1952

Scale
1 1/2 2 3 4 5 Miles

LEGEND

- | | |
|------------------------|--|
| ▲ Improved Forest Camp | — National Forest Boundary |
| --- Trail | --- Adjacent National Forest Boundary |
| --- Poor Motor Road | ▲ Permanent Lookout Station |
| == Good Motor Road | ▲ Guard Station not permanently occupied |
| == Main Motor Road | ▲ District Ranger Station |
| ✕ Mine | |
| --- Transmission Line | |
| --- Railroad | |
| ■ Winter Sports Area | |

CHAPERONE YOUR MATCHES, "SMOKES" AND CAMPFIRES--
DON'T LET THEM GO OUT ALONE!
REPORT FOREST FIRES TO NEAREST FOREST STATION,
PEACE OFFICER OR TELEPHONE OPERATOR

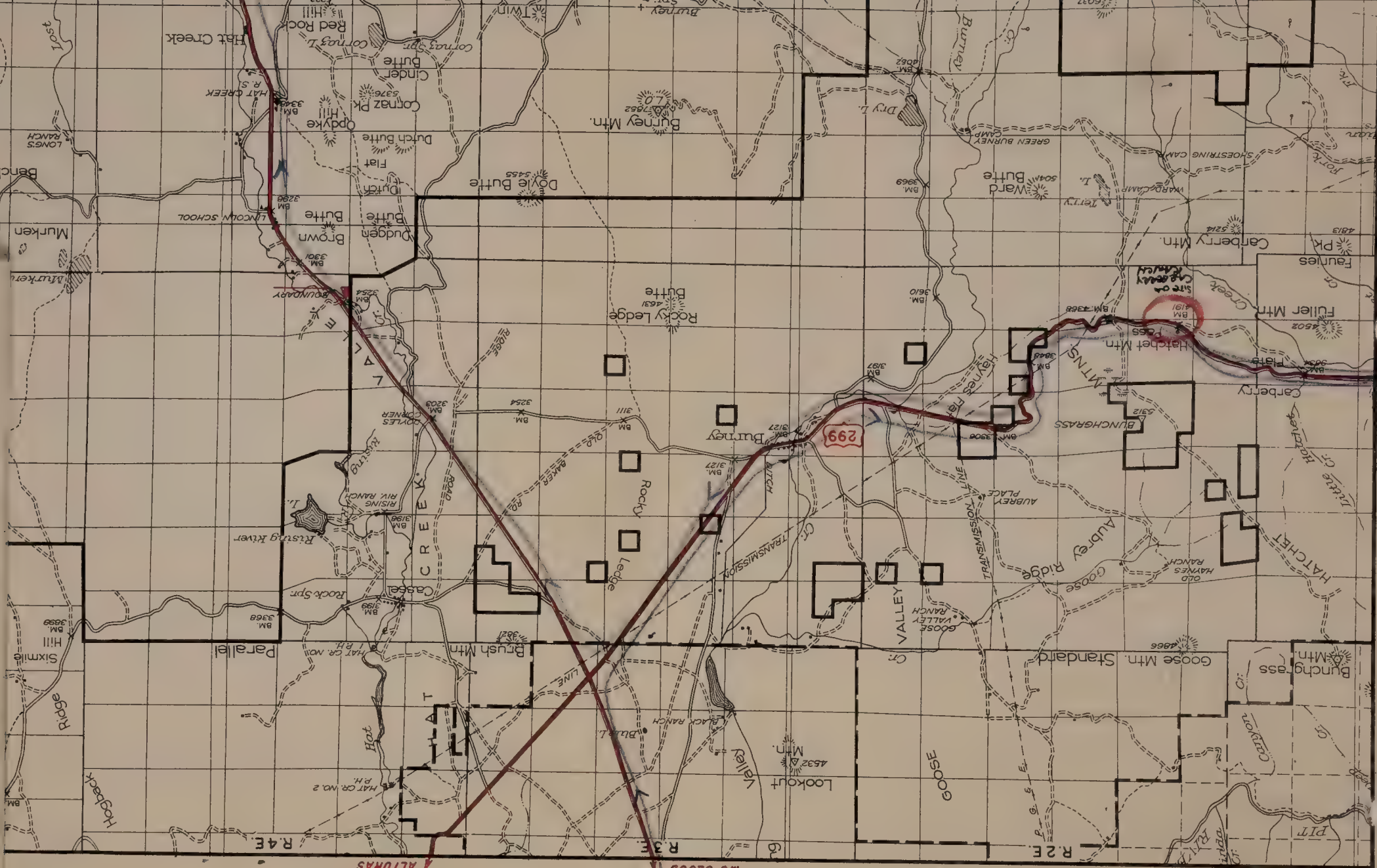


A.C. Ziegler
1957

burnan

A.C. Ziegler
1957

Bureau



MC CLOUD
ALTURAS

A. L. ZIEGLER
1957

JOURNAL

SUPAN RANCH, 3400[±] FT., 3 MI. E MONTGOMERY CO. P.O., SHASTA CO.,
CALIF.

SCOTT
(COUNTY)



LAKE AT SUPAN'S LOOKING APPROX SE FROM
OUR CAMP. DAN TO FAR RIGHT. BATS SHOT ON
ROAD FROM WHICH PHOTO WAS TAKEN. SUPAN'S
SHACK ACROSS LAKE TO FAR LEFT OUT OF
PHOTO. GORGEES IN FIELDS JUST VISIBLE IN
LEFT FAR CENTER OF PHOTO. CLUMP OF ^{DOORWOOD} ~~WILLOW~~
ETC. VISIBLE IN FAR CENTER OF PHOTO GAVE
PEROMYSCUS MANICULATUS, MICROTUS SPP.? SOX TRAW-
BRIDGE, LINCOLN SPARROW, THAMNOPHIS +
AMPHISP. LIZARD. GROUND SQUIRRELS IN HABIT
OFT SHAPE IN FAR RT BACKGROUND.

A.C. ZIEGLER
1957

JOURNAL

SUPAN RANCH, 3400[±] FT., 3 MI. E MONTGOMERY (C.A.O.), SHROTER CO., CALIF.

SEPT. 1 (SKUNK CAUGHT) AND 6 PEROMYSCUS MANICULATUS

(2 EATEN IN NESTS). SET OUT 11 MALLETTS ON OPEN REDWOOD

RAN NESTS AT 1:00 PM. GOT 2 ANILABOR

WIZARDS IN NESTS + CHASED A THIRD INTO A

NEST. GOT 1 SOREX NOMBRIODES IN ~~THICK~~ ^{POONWOOD}

THICKET BY ~~BAD~~ LAKE (SKUNK CAUGHT).

RAN GORNER + MUS SPEC NESTS AT 7:00 PM

NOTHING IN MUS SPEC'S BUT A PEROMYSCUS

DEAD IN A RAB NEST NEXT TO SMALL LAKE.

HAD FOUR GORNERS OUT OF 5 SETS. RESET

SPRING NESTS AT DIFFERENT RUNWAY SYSTEMS.

SHOT BATS AT TWILIGHT + GOT A LARSONYCTERIS.

DR. B. GOT A MYIUS CALIFORNICUS. KEPT

1 GORNER ALIVE (# 904 A.C.Z.) TO TRY TO TRAIL

BACK TO BORDERLEY. SET 33 LIVE NESTS ALONG CANYON RAYSIDE.

SEPT. 2 RAN NESTS AT 7:30 AM + PICKED THEM UP. HAD 4

GORNERS - 1 OF WHICH WAS SAVED ALIVE (# 911 A.C.Z.)

WITH A CHENED UP TAIL. IN LIVE NESTS GOT ONLY

ABOUT 12 PEROMYSCUS MANICULATUS, IN MUS SPEC'S

GET 2 PEROMYSCUS MANICULATUS, 1 MIOMYS + 1

LINCOLN(?) SPARROW. PUT UP GORNERS + MIOMYS.

PACKED + LEFT AT 3:00 P.M.

CAMPED WITH NO NEAPPING NEAR GREENVILLE, PLUMAS CO.

SAW POSCUPINE WALKING BESIDE ROAD BANK ROUGHLY

20 MI. BEFORE GREENVILLE. HEARD US SAW WHAT

MIGHT HAVE BEEN FLYING SQUIRRELS IN GREENVILLE CANYON.

SAW DEER MARMOT + PICA IN LARSON NESTS PARK.

A.C. ZIEGLER
1957

JOURNAL

Butt Creek ^{4300[±] Ft.} 8 mi. S Chester, Plumas Co., Calif.

SEPT. 3

ARRIVED HERE ABOUT 2:30 AM. LOCATION OF CAMP IS 200 YD SE OF BRIDGE CROSSING BUTT CREEK. (8 MI. IS AIRLINE) COUNTRY ROAD TO LONGVILLE PASSES OVER BRIDGE. CAMPGROUND HAS NO FACILITIES AT ALL BUT CREEK HAS GOOD WATER & IS SWIFT & 20-30 FT. WIDE HERE WITH WILLOW & SCOE ALONG IT & ON ISLANDS IN IT. A COUPLE OF SPRINGS ENTER NEAR CAMP. CONSTRUCTION WORK IS GOING ON NEAR BUTT VARNER RESERVOIR. BEAVER APPARENTLY USED STREAM NOT MORE THAN A YEAR OR SO AGO - IN THIS AREA, AT LEAST. SCOE AMONG WILLOWS IS GRASS - PROBABLY BY COWS (WHICH WE SAW) & DEER (OF WHICH THERE IS SOME SIGN) BUT BRUSH OF SCOE ARE UP TO 1½ FT. TALL. CAUGHT FROG IN CREEK. SET OUT 70[±] MUS TRAPS & 5 RAT TRAPS IN SCOE & WILLOWS NEXT TO OUR CAMP ALONG

A 100 YD. STRETCH OF STREAM. SET 11 MAEAS ^{IN BURROWS IN NARROW BELT ALONG BETWEEN CREEK & CAMP} IN 5 SETS. SET 32 LIVE TRAPS ON DRY, TIMBERED

HILLSIDE WHERE A COUPLE OF LITOMUS LABRONIS & EUMYIAS WERE SEEN. SET 10

SCHUYLERS ON LOGS & AT BASES OF SNOWS BRUSH MOSTLY WITH BOTH FRUIT & MOUSE OR BIRD MEAT.

RAN MAEAS AT 8:30 PM - MORNING. IN TRAPS ALONG STREAM GOT 1 Zapus, 1 BURO & 3 MICROTUS. SHOT BATS AT TWILIGHT ALONG CREEK

A.C. ZIEGLER
1957

Journal

4300[±] FT.
BUTT CREEK, 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT. 3 - 5

SEE ALSO U.S.G.S. TOPO LASSEN PEAK, CALIF., 1894

ELEVATION FROM THIS MAP.

PLUMAS
NATIONAL FOREST
CALIFORNIA
MT. DIABLO MERIDIAN

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
CALIFORNIA REGION

1950

Scale
0 1 2 Miles

RUCKEE
N

R.9

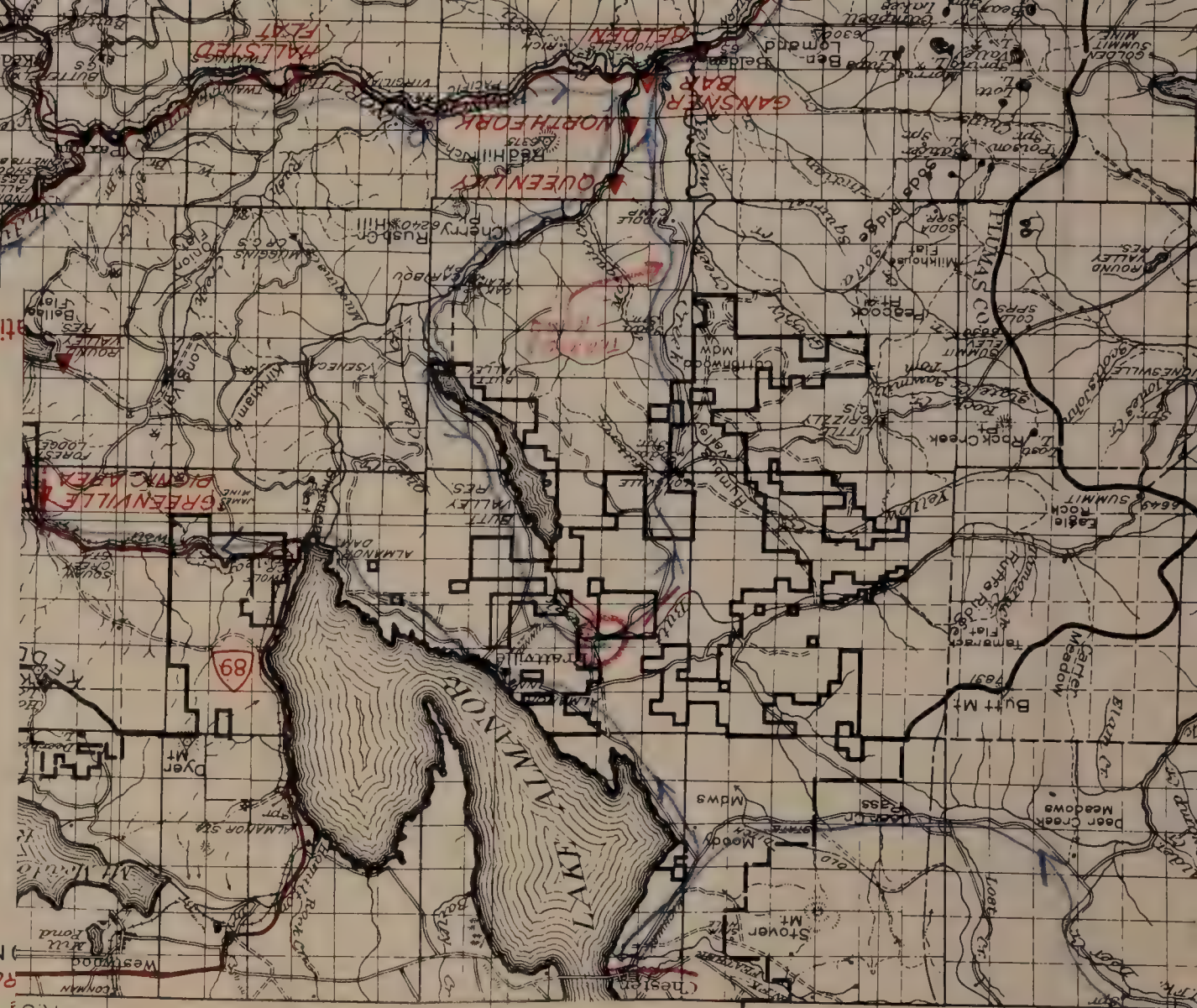
R.8E

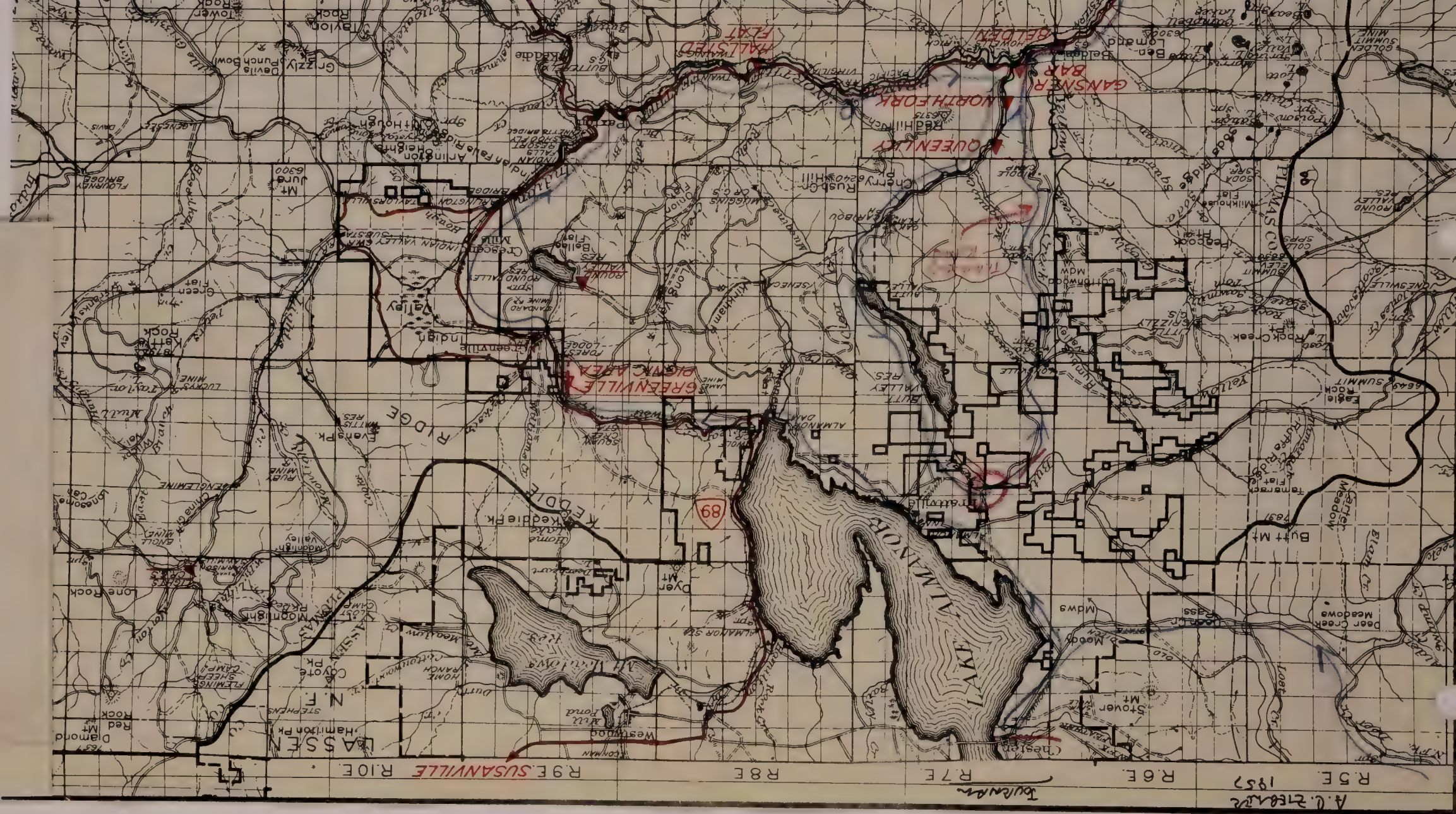
R.7E

R.6E

R.5E

A. L. STEARNS
1952





(1)

K

100

A.C. ZIEGLER
1957

TOWNSEND

BUTT CREEK, ^{4300± FT.} 8 MI. S CHESTER, PHUMAS CO. CALIF.

SEPT 3.
(CONT.)

Got a Myotis myotis. Saw nest
on wood by Porcupine(?) + several containers
+ many windows cut down by beaver.

SEPT. 4

Ran traps at 7:30 AM. Nothing in Schuylers,
1 Gopher in meadows, Peromyscus maniculatus
in about half of live traps and also 1
Sorex nanus (dead). In mus traps + rat
traps got only 1 water shrew + 2 P. maniculatus.
Got 10 traps sprung - especially near camp.
Coon raided camp last night - from + back.

Ran traps at 11:00 AM - got only 3 Citellus
luteus in Schuylers + 2 Peromyscus maniculatus
in some ^{LIVE} traps that caught same species
last night. There 2 also Peromyscus.

Ran live traps + got same(?) two Peromyscus
in same two traps at 12:45 PM. Also 2 more
Citellus luteus in Schuylers. At 3:45 PM got
Citellus beecheyi in Schuyler.

Ran live traps + Schuylers at 7:30 PM. Got only
1 of same 2 Peromyscus ^{one of} in same live traps.

Shot at bats at twilight + got a Lasiurus.
Set out about 15-20 mus traps in open meadow
just 50 yds down stream from my set of 20± (in
willow + sage just back of camp.)

Ran traps at 11:30 PM. No gophers, nothing in
Schuylers, a few Peromyscus in live traps. Got 2 Micromys
1 Neotoma, + 1 Peromyscus in 20± mus traps back
camp. In mus traps set in open meadow got 1

A.C. ZIEGLER
1957

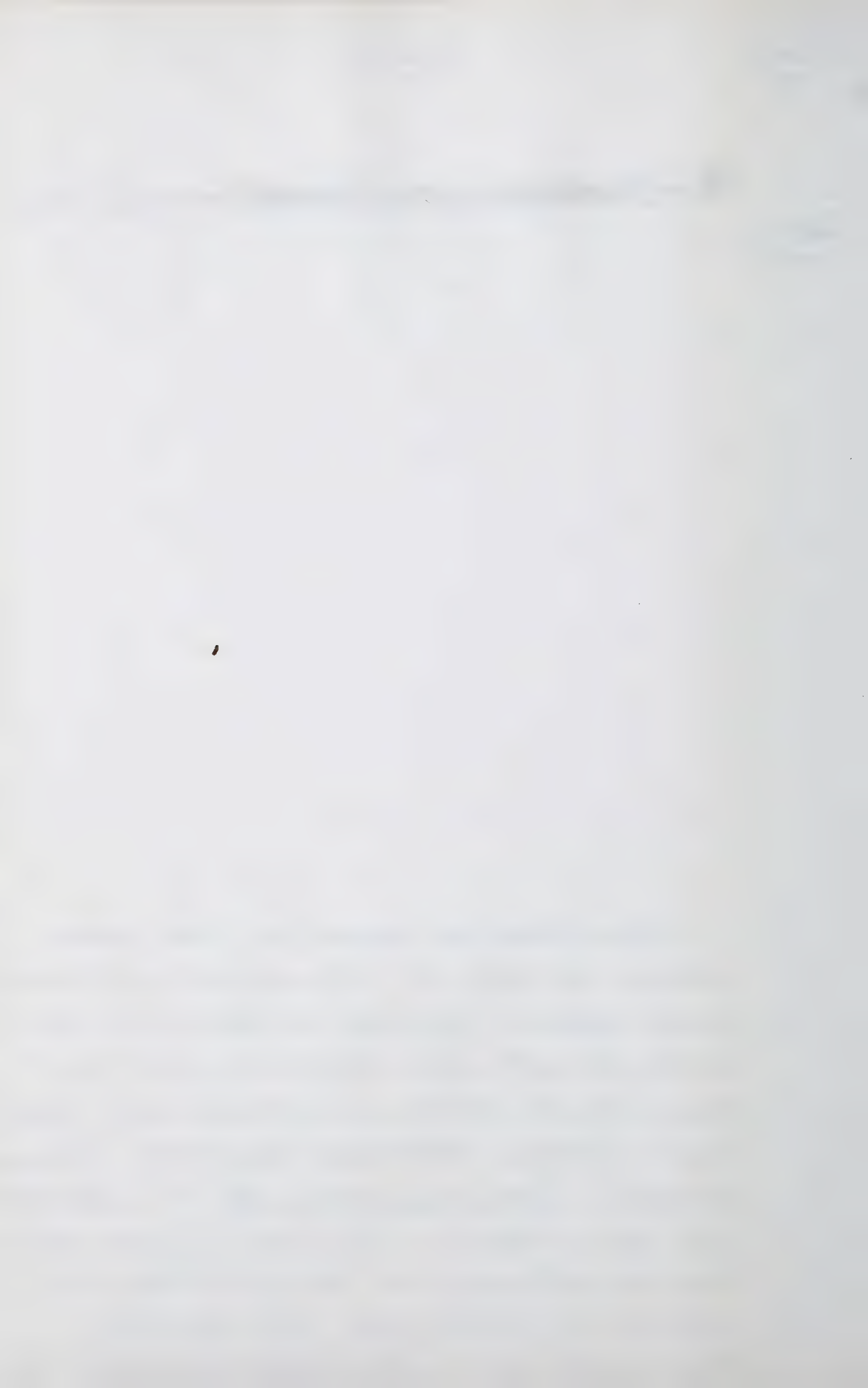
TOWNSHIP

BUTT CREEK, 4300[±] FT., 8 MI. S CENTER, PLUMAS CO., CALIF.

SHOT 4
(CONT.)



UNDERBRUSH OF WILLOWS & GRASS ALONG
CREEK LOOKING NE. WILLOWS CUT BY BEAVER.
BATS SHOT AT TWILIGHT ON EXTREME RIGHT
BANK OF PHOTO. IN GRASS & WILLOWS & SIDE
BRANCHES OF STREAM IN PICTURE GOT 1 ZAPUS,
BUFO, MICROTUS LONGICAUDUS & MONTANUS, SCOP
PARVISTRIS, PEROMYSCUS MANICULATUS & 1 NEUROTRICUS
(JUST OUT OF PHOTO ON CHASE LEFT.), SCOP VARIANS,
RATHER DRY HILLSIDES RUN UP FROM THIS
STREAM ON EITHER SIDE WITH CONIFERS.
PHOTO TAKEN JUST A FEW YARDS DOWN SLOPE FROM
CAMP.



A.C. ZIEGLER
1957

JOURNAL

BUTT CREEK, 4300[±] FT., 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT. 4
(CONT.)



VIEW OF SPOT WHERE NEUROTRICHUS WAS
TAKEN (JUST ABOUT BELOW TEARD BAY) LOOKING N.
SMALL SIDE BRANCH OF STREAM IN FOREGROUND
UNDER SEDGES - MAIN STREAM FLOWING FROM
LEFT TO RIGHT WELL BEHIND WILLOWS IN CENTER
OF PHOTO. Sorex uroreus, S. parvulus, Microtus
peromyscus maniculatus + Zapus TAKEN IN
IMMEDIATE AREA OF PICTURE ALSO. ONLY
100-200 FT DOWN SLOPE FROM OUR CAMP.

A. C. ZIEGLER
1957

JOURNAL

^{4300⁺ Ft.}
BUTT CREEK, 8 MI. S CHICO, PLUMAS CO., CALIF.

SEPT. 4 (CONT.) Sorex uarans, 3 Microtus + 2 Peromyscus.

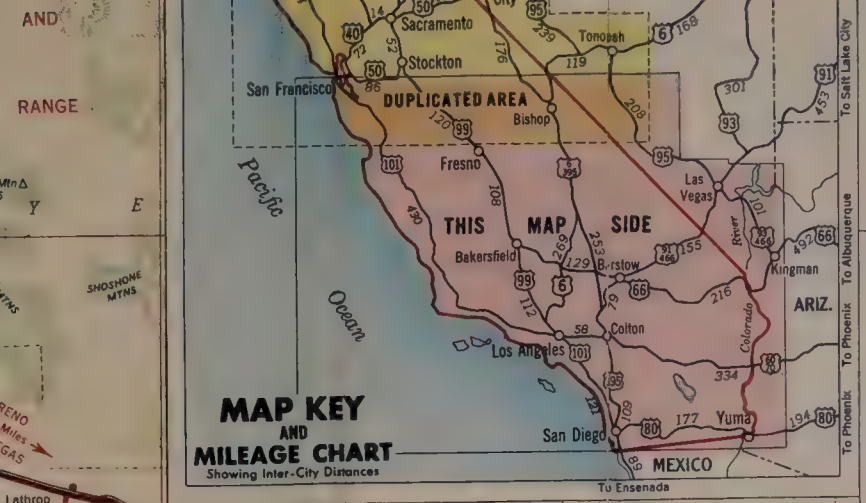
SEPT 5 RAN ALL TRAPS AT 7:45 AM. NOTHING IN
MARESCOS OR SCHUYLERS; Peromyscus IN LIVE
TRAPS. 1 Microtus IN OPEN MEADOW + 3
Sorex uarans IN TRAPS IN WILLOWS + SEDGE.

RAN + PICKED UP ALL TRAPS BETWEEN NOON + 3:00 PM. GOT
ONLY A Citellus lateralis IN SCHUYLER + FINALLY A
Eutamias speciosus IN A LIVE TRAP (KEPT AS CAPTIVE).
PACKED + LEFT AFTER PUTTING UP SPECIMENS AT 6:00 PM.
DROVE TO LUCCAS LAKE CO., CALIF + LOOKED
INTO 2 MINE TUNNELS JUST OUTSIDE OF TOWN.
WHERE DR. BENSON + OTHERS HAS BANDOED BATS
10 YEARS OR SO AGO. SAW A LARGE BROWN
SQUAMANOOR WITH LIGHT SPECKS ALL OVER
BUT COULD NOT CATCH IT AS IT WENT INTO
HOLE IN CAVE FLOOR. NEXT DAY RECOVERED A
Myotis thysanodes + SAW ANOTHER Myotis spp.
WITH A BANDO ON WING. SHOT ABOUT 3:00 AM
IN HILLS A FEW MILES FROM LUCCAS LAKE.

^{MENDOCINO CO.}
HARLANDS EXPERIMENTAL STATION, LUTE CO., CALIFORNIA

SEPT. 6 GOT UP AT 8:30 AM + DROVE TO STATION
WHERE CHAR. THREGE WHO HAD TALLOW BUCKS
JOB OF TRAPPING MICE FOR SUMMER SHOWED
US AROUND. SAW MANY ♀ + FAWN DEER
BUT NO BUCKS. SAW NO CHIPMUNKS BUT A
FEW Citellus beecheyi IN DRUG POTS.

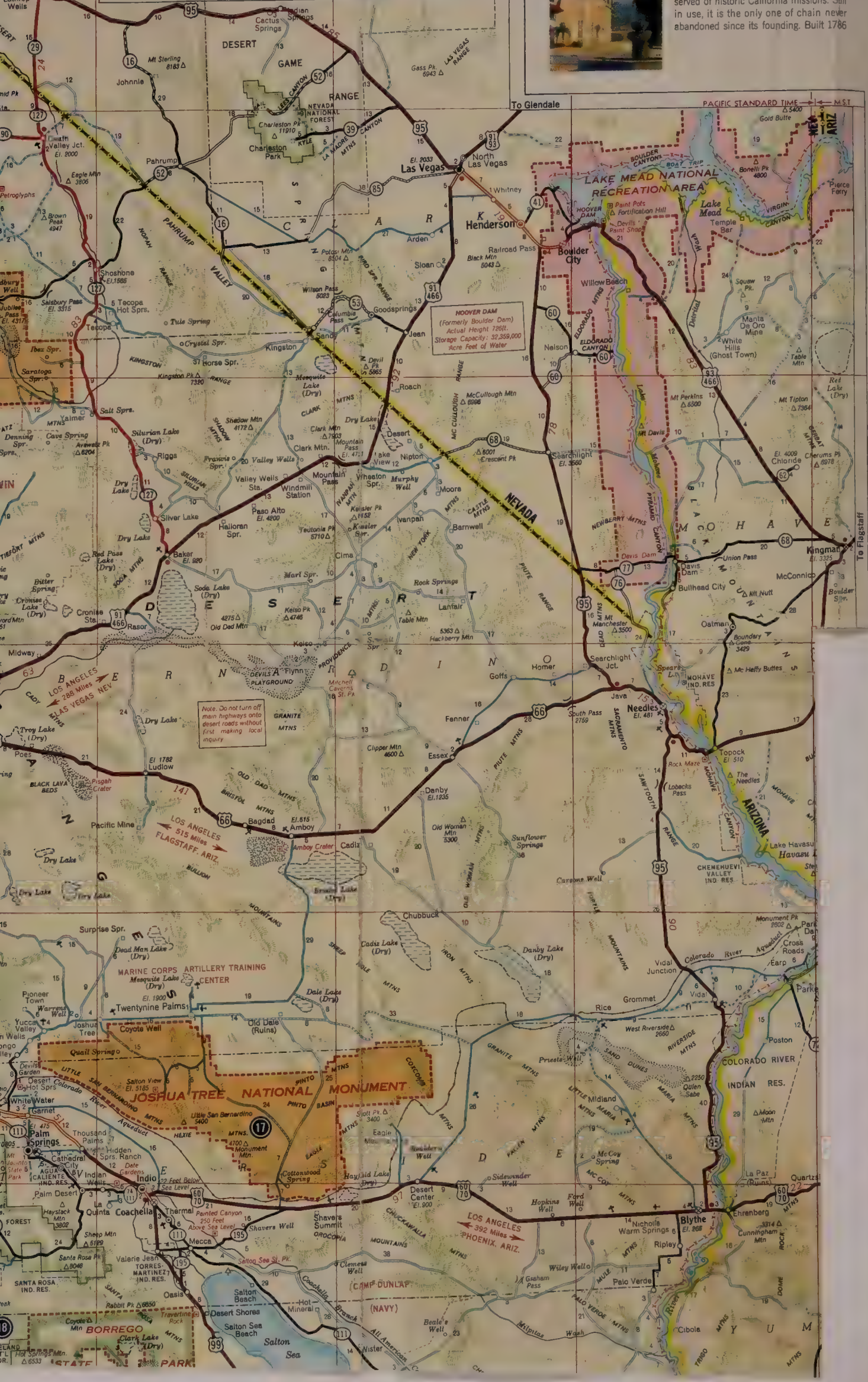




Point Lobos Reserve State Park
This area embraces one of most enchanting parts of oft-painted Carmel-Monterey region, where native pine and cypress forests reach down to the blue Pacific Ocean

San Miguel Mission
Dating from 1797, this mission contains original paintings and designs created by Indian neophytes in days of the Padres. Stands close to U. S. Highway No. 101

Santa Barbara Mission
One of the most beautiful and best preserved of historic California missions. Still in use, it is the only one of chain never abandoned since its founding. Built 1786



THUNDER AND
SOUND
(cont.)
CASCADS WITH BROKEN SKY
BEEN WRAPPED ON OR JUST
HE HAS A SECOND SPECIMEN
AND. 25 DEER HUNTERS
FOR WEEKEND DAY & NIGHT
OFF BUCKS BUT MANY OTHER
REPORTS SEEING ONLY 200
PROVE ON TO BASKINOVY, A
3:30 OR 4:00 PM. I HAD 1 C
WHICH RAN OFF AT HOME
KILLED ANOTHER AS SPECIMEN
REMAINING 3 TO DON. WILL
DR. B. STINK HAS 1 EGG
AS CAPTIVES.

A. S. ZIEGLER
1957

JOURNAL

Haslam's Experiment Station, ^{Mendocino} ~~Lake~~ Co., California

SEPT. 6
(cont.)

THAYER ALSO SHOWED US A BOB-CAT
CARCASS WITH BROKEN SKULL WHICH HAD
BEEN KILLED ON OR JUST OFF OF STATION.
HE HAD A SECOND SPECIMEN TAKEN HERE
ALSO. 25 DEER HUNTERS ARE ALLOWED
FOR WEEKEND ONLY & MANY HAD TAKEN
OFF BUCKS BUT MANY OTHERS APPARENTLY
REPORTED SEEING ONLY DOES OR Fawns.
Drove on to Baskin; arriving about
3:30 or 4:00 PM. I shot 1 CITELLUS WATERBURYI
WHICH RAN OFF AT HOME OF DR. BENSON.
KILLED ANOTHER AS SPECIMEN & DR. B. GAVE
REMAINING 3 TO DR. WILKES OF MUSE.
DR. B. STILL HAS 1 Eutamias, & 3 Thomomys
AS CAPTIVES.

A.C. ZIEGLER
1957

JOURNAL

STRAWBERRY CANYON, BRECKENRIDGE, ALAMOGOSA CO., CALIF.

P. 1110
SEPT 21

P. 1110 SMALL DIOCEPHIS (WEIGHING TODAY 97.7 gm)
CAUGHT IN LIVE TRAP BY BRIAN K. MCNAB ON AUG. 9, 1957
DIED ON AUG. 11, 1957. BRIAN'S NOTE WITH SPECIMEN
SAYS ONLY "TRAPPED.. ALONG STREAM UNDER SOME
PEELING, BUT ALIVE, LAURENS."

"ARCHAEOLOGICAL SITE NEAR LIVERMORE, CALIFORNIA"

OCT. 21 17 SPECIMENS SENT IN BY MR. DONALD F. MCGEE
961 COWLEY DRIVE, SAN LEANORE, CALIF.

WERE IDENTIFIED AS FOLLOWS: (#'s SEE MCGEE'S)

- G. 38-6-12 — MOST LIKELY AMERICANIAN (CRANIAL
FRAGMENT)
K-40-6-12 — SYLVILABUS (AUDUBONI) INNOMINATE
K-40-18-24 — BASAL PHALANX DIGIT II BRONTA
L-39-0-6 — SYLVILABUS (AUDUBONI) HUMERUS
L-39-0-6 — IMM. HOMO (?) ULNA
L-39-30-36 — IMM HOMO INNOMINATE
L-41-18-24 — CANIS CALCANEUM
L-42-12-18 — LYNX MANDIBLE
~~L-42-24-30~~
L-42-24-30 — 30-60 DAY OLD CANIS HUMERUS
(OR CANIS WITH KNOWN ASSOCIATION)
L-42-18-24 — PROBOSCIS ODONTOLEUS
M-39-6-12 — ODONTOLEUS, PROBOSCIS OR PROBOSCIS
YOUNG CERVUS STAG OR
M-39-12-18 — MATURE CANIS TIBIA
M-40-30-36 — HOMO BASISPHEGNUM
M-41-12-18 — CANIS RADIUS
M-41-24-30 — IMM CANIS MANDIBLE
(MOSTLY AMERICANIAN)
M-41-24-30 — CANIS INTER ORBITAL REGION
M-42 — SYLVILABUS (AUDUBONI) MANDIBLE.

A.C. ZIEGLER
1957

JOURNAL

TAKEN IN VIC. FARALLON IS., SAN FRANCISCO CO., CALIF.

OCT. 31

WENT OUT TO DEN MONTE FISHING CO.
ON POINT ~~MOLOATE~~ ^{SAN PABLO}, CONTRA COSTA CO., CALIF. WHERE
KILMER BOAT BROT IN A HUMBACK WHALE
(MEGALOTERA) ABOUT 11:15 PM. TOWING IT TIED
RIGHT ALONG SIDE. TATERAN TAPS AT FLUKES
HAD BEEN CUT OFF APPARENTLY TO ALLOW
A LOOP OF CABLE TO BE PASSED OVER THEM
& TIGHTENED ON SMALL "NECK" JUST ANTERIOR
TO FLUKES. WHALE WAS HAWLED BY CABLE
WINCHES UP A WHUTE AND INTO THE
LARGE WOODEN-PLANK FLOORED WAREHOUSE
WHERE CUTTING UP BEGAN IMMEDIATELY.
STARTING FIRST WITH THE FLUKES & VICINITY.
WHILE THIS WAS GOING ON OTHER MEN OF
THE CREW OF 20 OR 25 WERE CUTTING
OFF STRIPS OF BLUBBER; THE FLIPPERS
AND THE LARGE AND SOFT SACKY CHIN
OF LOWER JAW SKIN. I WAS SURPRISED TO
SEE THIS PART OF THE WHALE (THE THROAT)
WAS SO FLABBY - I WOULD HAVE EXPECTED
IT TO BE MORE RIGID. THE GREY TONGUE
WAS ALSO VERY FLABBY & APPARENTLY MORE
DIFFICULT TO CUT UP THAN, SAY, BLUBBER
OR MUSCLE. THE MEN USED LONG HANDLED
KNIVES SHAPED LIKE HOCKEY STICKS WITH
THE OUTER PART OF THE DISTAL CURVE SHARPENED.
THEY OFTEN WHEAT ~~THE~~ THE KNIVES WITH STONES.

A.C. ZIEGLER
1957

JOURNAL

TAKEN IN VICINITY OF ALBANY ISLANDS, SAN FRANCISCO CO. CALIF.

OCT. 31.
(CONT.)

ONE MAN WOULD PULL AT A PORTION OF WHALE WITH A 3-4 FOOT LONG METAL HOOK AS THE OTHER CUT OFF THE CHUNK FROM THE REMAINING MASS OF MEAT. THE CHUNKS CUT OFF WERE ROUGHLY 1-1½ FT SQUARE — JUST ABOUT THE SIZE THAT TWO MEN, WORKING TOGETHER, COULD PICK UP WITH POLES ABOUT RAKE-HANDLE SIZE WITH THIN HOOKS ON THE ENDS. THE CHUNKS WERE THEN LOADED INTO A ~~BARREL~~ HOPPER ON THE FRONT OF A FORK-LIFT-LIKE TRUCK TO BE TAKEN NEXT DOOR & DUMPED INTO THE VAT OF A RENDERING COMPANY WHICH APPARENTLY HEATED MUCH OF THE OIL OUT; PRESSED THE RESIDUE OUT & SAVED THE "MEAT" REMAINING FOR HI-PROTEIN (~70%) CHICKEN & TURKEY FEED. I COULD NOT FIND OUT WHAT WAS DONE WITH THE OIL BUT A WORKER SAID MUCH WAS SENT TO GERMANY. APPARENTLY TWO GRADES OF OIL ARE PRODUCED IN THIS PLANT BUT I DIDN'T GET THE DETAILS. BACK AT THE WHALE CUTS WERE MADE IN THE BLUBBER WHICH WAS 4-6 IN. THICK UNDER THE 4 TO 5 IN THICK BLACK SKIN AND CABLES

A.C. ZIEGLER
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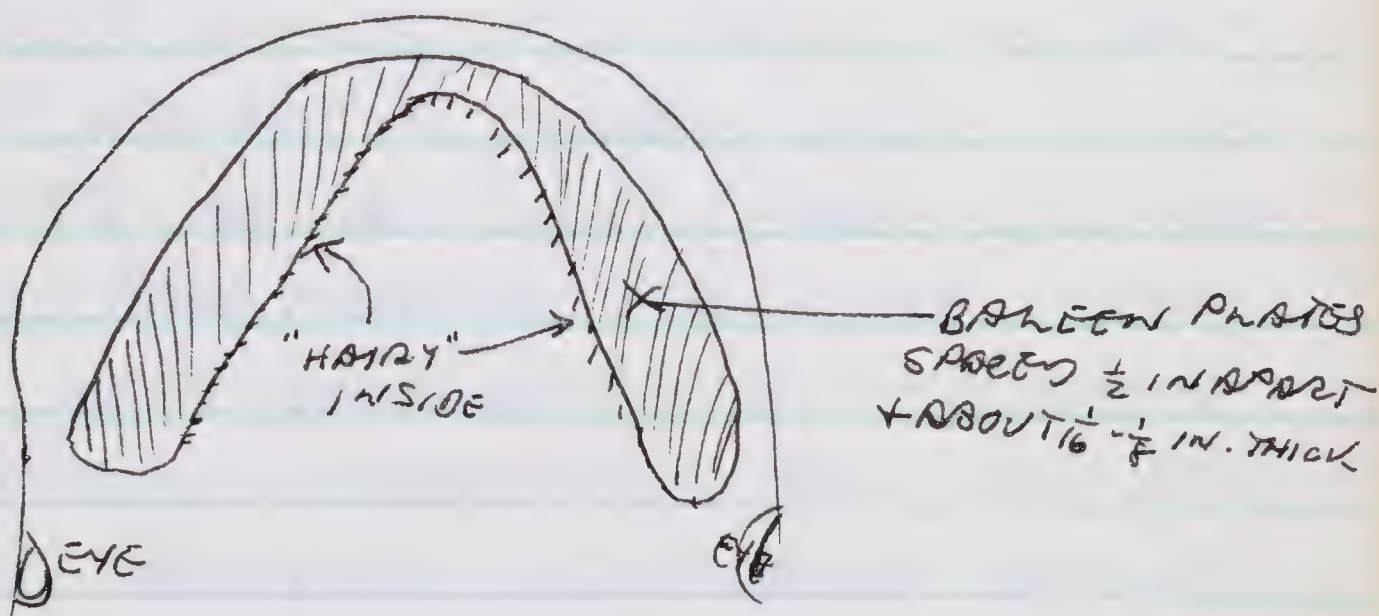
JOURNAL

TAKEN IN VICINITY FREEMAN ISLANDS, SAN FRANCISCO CO., CALIF.

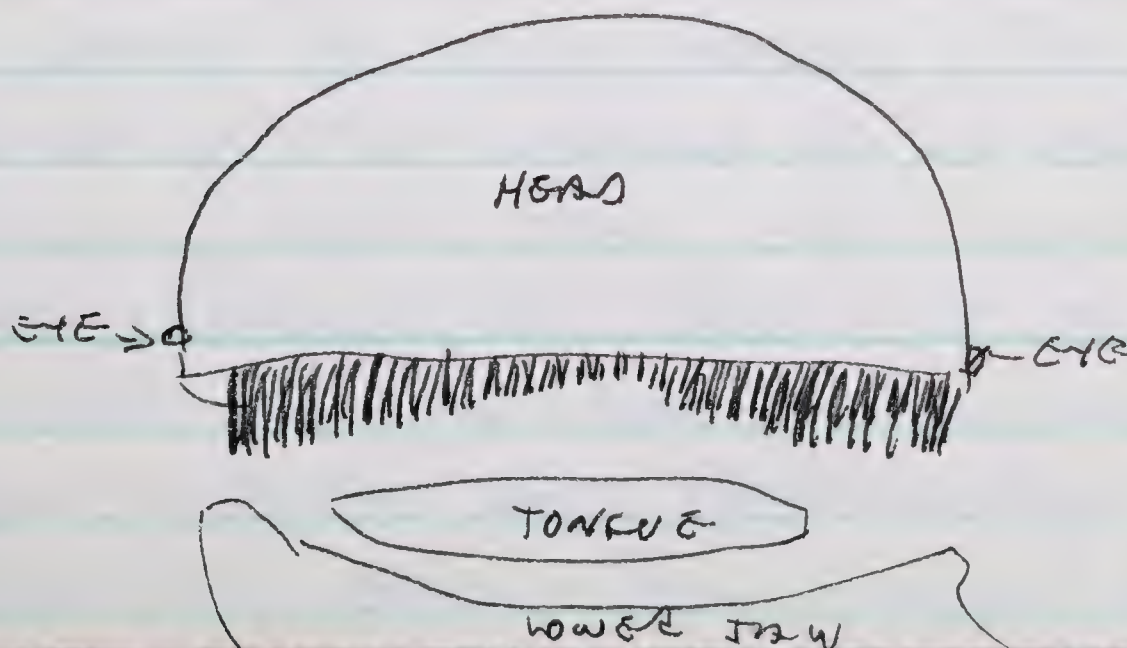
OCT. 31
(CONT.)

ATTACHED TO SHOW MY PEEL THE FAT
BACK AS MEN CUT IT OFF OF THE BODY
WITH KNIVES. THE BALEEN PLATE (OF THE
UPPER JAW ONLY) WAS CUT OFF, CUT INTO
HANDLE-ABLE CHUNKS & DISCARDED. ALL
THE REST OF THE WHALE WAS USED EVEN
THE CLOTTED BLOOD SCOOPED UP FROM THE
FLOOR.

TOP VIEW OF BALEEN PLATE.



FRONT VIEW OF BALEEN PLATE



A.C. ZIEGLER
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TAKEN IN VICINITY OF FARALLON ISLANDS, SAN FRANCISCO CO, CALIF.

OCT. 31
(CONT.)

AFTER BLUBBER WAS PEENED OFF AND WAS BEING CUT UP STRIPS OF MUSCLE DARK RED IN COLOR WERE CUT OFF USING THE CABLE WINCH AGAIN & THESE CHUNKS WERE CARRIED BY FORK-LIFT TRUCK (WITH FORK-LIFTS) TO A BUTCHERING TABLE WHERE 2 "KNIFE & HOOK" MEN CUT OFF 10-20 LB. HUNKS & THREW THEM ONTO THE TABLE FOR TWO MEN WITH BUTCHER KNIVES TO CUT OUT THE BEST LEAN MEAT & THROW INTO WIRE BASKETS IN A COLD (+DIRTY) WATER BATH. GOOD MEAT, BUT A LITTLE MORE FAT WAS THROWN INTO THE BATH ALSO BUT SEPARATED FROM THE BEST MEAT. THE FAT & CONNECTIVE TISSUE WENT TO THE RENDERING PLANT. THE BEST MEAT ABOVE ~~APPROXIMATELY~~ WENT TO "CALO" DOR & LAT FOOD CO WHILE THE SECOND RATE WAS GROUND UP & WENT TO PINK FRAMS. THE LARGER BONES OF THE WHALE SUCH AS THE SKULL, LOWER JAW, ETC WERE SHOVED OR CARRIED BY FORK-LIFT TO A STEAM-DRIVEN STRAIGHT SAW BLADE WHICH MOVES BACK & FORTH AND PRESSED DOWN SAWING THRU THE BONE. THE CHUNKS WERE

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TAKEN IN VICINITY OF CANNON ISLANDS, SAN FRANCISCO CO., CALIF.

Oct. 31
(1957)

THEN IF THEY WERE STILL TOO BIG THEY WERE TAKEN TO A 4-FT DIA. CIRCULAR SAW AND CUT FINEER THEN RENDERED. THE UTERUS, INTESTINES, BLOOD VESSELS, ETC. WERE ALL CUT UP INTO 3 FT LONG STRIPS WHICH COULD BE HANDLED. RIBS + VERTEBRA WERE SEPARATED WITH THE LONG-HANDLED KNIVES. THE SCAPULA + HUMERUS WERE SEPARATED BY BALANCING THEM ON FORKS OF THE FORK-LIFT + LIFTING THEM SO THAT THEY SEPARATED AS THE MUSCLE WAS CUT BETWEEN THEM. THIS WHALE WAS 44 FT. ♀ A GOOD SIZED ONE BUT FAR FROM THE LARGEST. THE WIDE BEFORE A 50-FOOTER ^(MEASURED) HAD COME IN AND WAS APPARENTLY A VERY BIG ONE. THERE WERE NO OBVIOUS BIG EMBRYOS. NO WORMS IN THE INTESTINE OR STOMACH AS FAR AS I COULD SEE BUT THE MEN SAID MOST OF THE WHALES DID HAVE "TREE-WORMS" IN THE INTESTINES. THE STOMACH CONTAINED THE "TAILS" OF INCH-LONG "SHRIMP" + STUNK. THE MEN, ESPECIALLY THE FOREMAN ROBERT CASEBEER WERE VERY OBLIGING IN CUTTING OFF PARTS OF ORBONS OF THE WHALE FOR ME WHEN

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TAKEN IN VICINITY FREEMAN ISLANDS, SAN FRANCISCO CO., CALIF.

OCT. 31
(CONT.)

I EXPLAINED I WANTED THEM FOR THE SCHOOL. THEY EVEN PROVIDED CANS & FORMALIN WHICH THEY KEPT ON HAND FOR PRESERVING INTERESTING SPECIMENS. THE OWNER'S SON, CHUCK _____, APPARENTLY TOOK ZOOLOGY AT U. C. AND MAYBE SAVED SOME EMBRYOS, ~~UTERINES~~ OVARIES ETC. APPARENTLY SOMEONE ALSO SAVED THE PITUITARY(?) GLAND SINCE ONE MAN SUPPOSEDLY HAS THE JOB OF DIGGING IT OUT OF THE BASE(?) OF THE BRAIN CASE WITH HIS FINGERS. I GOT PIECES OF HEART, ESOPHAGUS, LIVER, KIDNEY, LUNG, BLOOD VESSELS, BLUBBER & SKIN, ~~ADRENAL~~ SPLEEN(?), BOTH OVARIES, MAMMARY TISSUE, BOTH EYES, HALF THE BRAIN. ALSO GOT BARNACLES WITH "RABBIT-EARS" SHELLLESS BARNACLES ATTACHED FROM THE HUMPS ON THE LEADING EDGE OF THE FLIPPERS AND FROM THE SKIN OF THROAT & CHEST. ALSO THE FOREMAN CUT ABOUT A FOOT TO CROWN SIDE OF THE ANUS(?) AND GOT ME THE PELVIC BONES. ALSO SAW SOME BARNACLES & WHITISH SCARS FROM BARNACLES ATTACHMENTS ON THE EDGES OF LOWER JAW. I WONDERED IF THE HUMPS ON THE

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OCT. 31
(CONT.)

TAKEN IN VICINITY FARALLON ISLANDS, SAN FRANCISCO CO., CALIF.
LEADING EDGES OF THE FLIPPERS, ^{ON} ~~WHERE~~ THE BANDAGES WERE GROUND, WERE THE RESULT OF THE BANDAGES BUT THE FOREMAN SAID THE HUMPS WERE NATURAL AS THEY COULD BE SEEN IN EMBRYOS. I ALSO COLLECTED THE CAPED "LICE" CLUSTERED AROUND THE BASES OF THE RINNARDS. THERE MUST SUBSIST ON IN VERTERATE MATERIAL SINCE ITS NOT CONCEIVABLE THAT THEY COULD GET ANY BLOOD FROM WHALE THRU THE THICK SKIN OR EVEN ANY SUBSTANCE FROM THE BLUBBER. THE GROOVES ON THE THROAT & CHEST DID NOT SEEM TO ACT AS PLEATS AS IN AN ACCORDION BUT RATHER KEPT THEIR GROOVES SHAPE EVEN WHEN THE SKIN WAS COLLAPSED & FLABBY. THE BLOWHOLE(S) WERE NOT SEEN. THE EYE WAS SMALL GRAPEFRUIT SIZE - I LOOKED FOR PARASITES INSIDE THE EYELID BUT SAW NONE. NO HAIR WAS VISIBLE ON ANY PART OF WHALE. THE WHOLE OPERATION OF CUTTING UP THE WHALE WITH A 20-MAN CREW APPARENTLY TAKES ABOUT 15 HOURS - VARYING OF COURSE WITH SIZE OF WHALE. TODAY WAS THE LAST DAY OF SEASON FOR ANY.

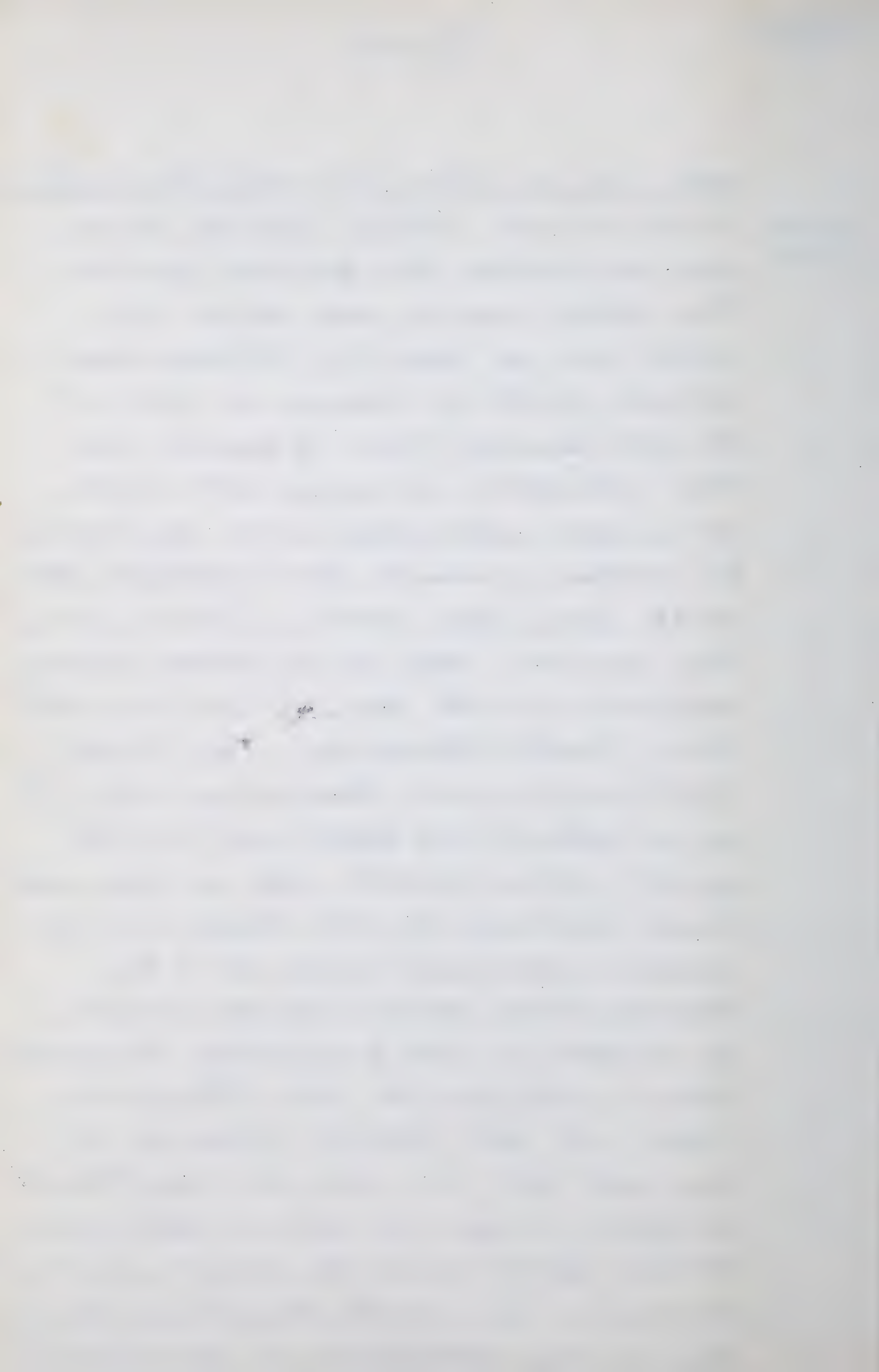
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TAKEN IN VICINITY OF FARMER ISLANDS, SAN FRANCISCO CO., CALIF.

OCT. 31
(CONT.)

THING EXCEPT SPERM WHALES WHICH MAY BE TAKEN FOR ANOTHER MONTH. THE BOSS CHUCK HAS SAVED THE SKULL OF A RARITY, A "GOOSE BEAK" WHALE, WITH 2 TEETH IN THE TIP OF THE (LOWER?) JAW. I DID NOT SEE THIS HOWEVER. I COULD NOT FIND OUT WHAT WAS DONE WITH THE TEETH OF SPERM WHALES BUT MAYBE THEY WERE SOLD FOR IVORY. I ALSO SAW THE LOWER JAW OF A SPERM WHALE WAITING TO BE BOILED OUT TO HAVE THE TEETH REMOVED. THE REAR-MOST TOOTH WAS PROTECTED ONLY AN INCH ABOVE THE GUM LINE & WAS ABOUT LITTLE-FINGER-SIZE IN DIAMETER. I WAS SURPRISED TO SEE THAT IT WAS SLIGHTLY MOVABLE WHEN TWISTED RATHER THAN BEING SOLIDLY FIXED. GOT A PROMISE OF A WHALE VERTEBRA FROM A FELLOW AT THE RENDERING PLANT IF HE GETS A CHANCE TO BOIL ONE OUT SO LET MY TELEPHONE NUMBER & SAID WE WOULD TAKE ANY WHALE BONES THAT HE MIGHT WANT TO BOIL OUT. THE LOWER JAW OF THE HUM-BACK WHALE APPARENTLY IS NOT OSSIFIED



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TAKEN IN VICINITY OF FALCON ISLANDS, SAN FRANCISCO CO., CALIF.

OCT. 31
(CONT.)

AT THE TIP SINCE A LONG-KNIFE WAS USED TO CUT THRU THE SYMPHYSIS. THERE WAS SOME DISAGREEMENT AS TO THE NUMBER OF "STOMACHS" — 2 TO 5 ~~WAS~~ THE RANGE OF OPINIONS — I COULDN'T TELL MYSELF. FOREMAN'S NAME WAS ROBERT CASEBEER & HE WAS MOST HEARTFUL. ADDRESS IS DEN MONTE FISHING CO., POINT SAN PABLO, SAN PABLO, CALIFORNIA. & PHONE # BEALON 2-1000. ALL MATERIAL FROM THIS 44 FT. ♀ HUMPBREK GIVEN # 944. ALSO PICKED UP 2 PIECES OF BALEEN FROM ANOTHER HUMPBREK & THESE GIVEN # 945. PIECES OF 944 WENT TO VARIOUS PEOPLE IN L. S. B.

THE KILNER BOAT WAS TUG BOAT-SIZED OR A LITTLE LARGER & EQUIPPED WITH A HARPOON GUN. THE HARPOON, AS FAR AS I COULD MAKE OUT WAS ABOUT 4-5 FT. LONG WITH FOLDING BARBS WHICH OPENED IN THE WHIRL WHEN TENSION WAS PUT ON CABLE. APPARENTLY A FUSE WAS LIT TO EXPLODE A CAP WHICH THEN BLEW UP A CANISTER OF BLACK POWDER ON THE VERY HEAD OF THE HARPOON. THIS CANISTER COVERING THEN SHRAPNELED INSIDE THE WHIRL

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JOURNAL

TAKEN IN VICINITY OF FISHHAWK ISLANDS, SAN FRANCISCO Co., CALIF.

OCT. 31
(CONT.)

& KILLED IT. AN OLD-TIMER WHO USED TO WORK AT THE TRINIDAD, CALIF. STATION TOLD ME OF THE ~~FIRE~~ HIT FUSE EXPLODING THE CAP BUT I DON'T SEE HOW THERE COULD BE A HIT FUSE INVOLVED. MORE LIKELY THE CAP IS EXPLODED BY ELECTRICITY OR BY SOME SORT OF A BLOW AS THE BARBS OPEN OR SOMETHING. THE WHALE WAS NOT INFLATED WITH AIR TO HELP FLOAT IT AS FAR AS I COULD SEE. MEN WORKING ON THE DEAD WHALE & SHIPDECK FLOOR WORE BOOTS WITH SPIKES MUCH LIKE LOGGERS CONKING BOOTS.

THE MEN TOLD ME THIS WAS NOW THE ONLY ACTIVE WHALING STATION IN THE U.S., (SINCE TRINIDAD CLOSED YEARS AGO.) BUT THAT THERE WAS ANOTHER ONE ~~AT~~ BRITISH COLUMBIA. DEL MONTE USUALLY RUNS 2 SHIFTS OF MEN BUT NOW NEAR THE END OF SEASON MANY MEN HAS FOUND OTHER JOBS & THEY WERE DOWN TO 1 CREW ONLY.

A.C. ZIEGLER
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JOURNAL

ZANGBEE RANCH, 3.8 MI. W STANFORD, LASSEN CO., CALIF.

Nov. 4

PUT UP FOR MUTE, ^{ON NOV 8,} A PORCUPINE
SHOT BY DR. BENSON ON RECENT Gopher-
TRAPPING TRIP TO VICINITY SUSANVILLE,
LASSEN CO., CALIF. A.C.Z. #946 + ~~ADULT~~ ^{ADULT} SKULL
(DOWN TO CHAWS). WARD RUSSELL NOTICED UPON
CLEANING SKULL THAT IT HAD A FRESH
BREAK ON SIDE OF LOWER JAW AND ALSO
AN OLD INJURY TO THE SUPRAORBITAL
REGION WHICH SHOWED BONE SPIKES BEING
DEPOSITED TO CLOSE THE WOUND. DR. BENSON
SHOT THE ANIMAL THRU THE BODY AND
SAID IT SEEMED TO ^{HAVE} BEEN WOUNDED BEFORE
HE SHOT IT. MAYBE HID BY CAR TWICE.
DR. BENSON SAID ANIMAL KEPT ITS
BACK TOWARD HIM AS HE APPROACHED
AND THAT IT WAS DIFFICULT TO GET
A GOOD SHOT AT ANY OTHER SPOT BESIDES
THE RUMP. THE TAIL WAS KEPT LOW
APPARENTLY. FOUND 1 LIVE TICK AMONG
THE SPIKES WHICH CAME OUT WHILE
SKINNING ANIMAL. DR. B. THOT COAT WAS
PRIME. WARD THOT ANIMAL SMALL BUT
SEEMINGLY NOT TOO YOUNG A ONE.
ESOPHAGUS PUT IN BOVINS & GIVEN TO PINE
PARKY OF V.C. ZOO. DEPT. I NOW HAVE QUITE
A BIT OF RESPECT FOR THE QUINNS AFTER SEEING
THE GREAT # OF THEM + THE CARE WITH WHICH
THEY CAN IMBED - ALSO THE CARE WITH WHICH THEY HAVE THEM.

A.C. Zeeb
1957

JOURNAL

LAB ANIMAL FROM DIABLO ANIMAL LAB, BEVERLY, ALAMOSA CO, CALIF.

NOV. 16 PUT UP 1 RATTUS NORVEGICUS (LONG-LEANS STRAIN) TO SHOW DR. R.W. COLEMAN AT SAN FRANCISCO THE PROCEDURE. HE THEN PUT UP ~~SAND~~ (NO #) AND GAVE IT TO ME. DR. COLEMAN HAD BOUGHT 4 RATS (AT \$1.90 EACH!) TO LEARN THE TECHNIQUE. HE LEFT THE OTHER TWO WITH ME TO KEEP 'TIL HE CAN COME OVER AGAIN & PRACTICE. ALL ANIMALS WERE ADULT MALES.

DEC 18 LAB ANIMAL FROM U.C. L.S.B. RAT LAB, BEVERLY, ALAMOSA CO, CALIF.

TURNED IN THE ABOVE 2 LIVE RATS TO LAB ON 5TH FLOOR, L.S.B. A WEEK OR SO AGO. THEY GAVE ME TWO YESTERDAY IN RETURN. DR. COLEMAN SKINNED 1 (#3 R.C.) & I KILLED & FROZE THE OTHER FOR FUTURE WORK BY DR. COLEMAN. THE SURPLUS RATS WERE GIVEN TO ME FOR ANY USE.

~~DEC 21~~ W END ELK VALLEY, 10⁺ TO 75⁺ FT., MARIN CO, CALIFORNIA.

DEC. 22 DROVE OUT ROAD CALLED TENN. VAL. RD. ^{ON DEC. 21} PAST SEVERAL "ABSOLUTELY NO RE-ENTRY" SIGNS & GATES TO A LOCKED GATE ABOUT 1 TO 1½ MILES UP THE VALLEY FROM THE OCEAN. PEOPLE ALONG ROAD SAID IT WAS A COUNTY ROAD & OTHER RESIDENTS HAD NO RIGHT TO PUT UP KEEP OUT SIGNS. AT LOCKED GATE, HOWEVER, GOT KEY FROM

A.C. ZIEGLER
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WENDEN VANNER, 10[±] to 75[±] FT. MARIN CO., CALIF.

DEC. 22
(cont.)

HOUSE BEFORE IT * TALKED TO MR MARTIN WHO LEASED LAND FROM OATE TO OCEAN FROM A MR WITTER OF SAN FRANCISCO WHO BOUGHT LAND FROM MARTIN SOME YEARS AGO FOR USE AS HUNTING CLUB. MARTIN SAID O.K. TO NEAR AS DID ALSO MR. WITTER WHO I MET ~~AT~~^{THIS} A.M. CATTLE GRAZED ON LAND BUT DID NOT SEEM ESPECIALLY OVERGRAZED. FAR W END OF VANNER ABOUT 200 YDS UP FROM OCEAN HAD BEEN DAMMED FOR WABROUCK LAKE. A FEW TULEB OR BUNCH GRASS ON W SIDE OF DAM BUT FLOODED TO 100 INCHES OF WATER. SET 100 MUS SPECS IN DUG-OUT CENTERS OF BUNCH GRASS FROM 75[±] FT. ABOUT A MILE UP FROM OCEAN TO THE FLOODED BUNCH GRASS BELOW DAM. GOT Sorex, Peromyscus, Microtus, Reithrodontomys, Perom. maniculatus + MUS. RAINED FOR PAST FEW DAYS + SOME FIELDS HAD WATER JUST BELOW SURFACE. GATHER MOUNDS NOTICED BUT NO FRESH WORKINGS. RAIN STOPPED SAT. ^{DEC. 21} A.M. ABOUT 4:00. + I SET OUT TRAPS JUST AFTERWARDS. MANY TRAPS SPRUNG + DARNED - RABBITS? SAW COON (?) TRAILS ON EDGE OF BURNED. FOUND DEAD

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1957

JOURNAL

W END ELL VALLEY, 10⁺ TO 75⁺ FT, MARIN CO., CALIF.

Dec 22
(cont.)

PINNIPEDS ON BEACH WITH CAUSAL CRANIUM
(ZANADUS? or EUMETADUS?). BIRDS: MOURN
DOO CHOW, 4 SNIPES, RUSSET DUCKS,
FOX SPARROW, JUNCOS, GULLS(?), OWL (HOOTING).
Ran 30⁺ traps in bunch grass at 75⁺
FT. AT 10:30 PM + TOOK OUT SEVERAL
EACH MICROTUS, P. MANICULATUS, REITHROD
+ 2 MUS. CENTERS OF OLD OR MATURE
BUNCH GRASS CLUMPS HAD WELL-WORKED
EARTH + MANY ISAPDS + EARTH WORMS
SO, IT IS EASY TO SEE HOW NEUROTRICHUS
COULD MAKE A LIVING IN THEM. I
CAUGHT MANY REITHROD IN THESE OLD
CENTERS — MAYBE THERE HAVE TO BE
TRAPED OUT TO GET THE NEUROTRICHUS
SAW HOUSE CAT WORKING FIELDS. IN ONE
10' X 10' SHADE AT 75⁺ FT. WITH BUNCH GRASS +
RUS CAUGHT 4 P. MANICULATUS, 2 MUS
2 REITHROD + 2 OR 3 MICROTUS IN ABOUT
12 TRAPS RUN TWICE. I SET EXTRA HEAVY
RIGHT HERE BECAUSE OF THE LARGE NUMBER
OF HOLES + RUNS. FOUND PART OF LOWER
JAW + HADES, IT WAS ELL BUT APPARENTLY
ONLY BOG. PARTS OF A FEW SPECIMENS SAVED
FOR PRACTICE IN MICROTECHNIQUE. NONE GIVEN
COLLECTOR #S. LOCALITY IS IN TIS, RGW + IS
SHOWN ON USGS TOPO TAMALPAIS ED. 1897, REPR. 1922.

A.C. ZIEGLER
1957

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W END ELD VALLERY, 10[±] to 75[±] FT., MARIEN CO., CALIF.

Dec. 28

Got here late in afternoon ^{Dec. 27.} set out 125 traps in 3 locations and in bunch grass clumps and a few in runs out of bank side beside stream. Ran them at 8:00 AM today & got 8 Sorex ~~valerianus~~ ^{valerianus}, 7 or 8 Peromyscus maniculatus, 1 MUS, 5 or 6 Reithrod & 5 or 6 Microtus. Not too many traps sprung but many sprung with nothing in them. Light rain from 2 or 3 AM starting about 8:00 AM. & beginning at 1:00 PM again. Foggy & overcast but not too cold. Microtus, Reithrod & Peromyscus seem a little more scarce than last week. Sorex more abundant. All specimens wet so ^{only 3} ~~none~~ saved as study skins. ^{left as skins only.} Saw 2 deer & 1 jackrabbit last nite.

Set out 75 more MUS. SPECIES between 10: AM & noon in two more localities — 1 below the dam & other up the stream & canyon N of Martins house.

HAD quick lunch & ran all traps between 1 & 4 P.M. — made 2 sets of 4 MARLBEE GAYLE traps in cow pastures near lake. Also set 2 RAT traps in willows beside stream baited with mouse body. Hunted a dead song sparrow caught in ~~at~~ MUS. SPECIES above

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Dec 28
(CONT.)

Went Elk Valley, 10 \pm to 75 \pm ft., Marin Co., Calif.
ONE RAT TRAP + SCATTERED FEATHERS ABOUT.
MICROTUS ARE NOT AS SCARCE AS LAST
WINTER'S RESULTS SEEMED TO SHOW. GOT 15
OR 20 IN TRAPS. ALSO 1 OR 2 P. MANICULATUS
AND 9 MORE Sorex ^{VAGRANS} ~~TRIDACTYLUS~~. RAN
30 TRAPS IN MEADOW AT 50 \pm FT., AND
25 MORE AT 75 \pm FT. TWICE. 50 TRAPS
SET IN THICK BUNCH GRASS HIGHER
ON SLOPES IN VALLEY GAVE DISAPPOINTING
RESULTS - ONLY 2 MICROTUS OR TWO +
A PEROMYSCUS. PICKED UP 15 UNPRODUCTIVE
TRAPS FROM VARIOUS LOCATIONS + SET
THEM UP STEEP SLOPE JUST TO N OF
LOCKED GATE WHERE I AM CAMPING,
SET IN SAWGRASS BUNCHES + DEAD
FERN CLUMPS. SOME MICROTUS WERE
IN EVIDENCE IN THIS SPOT + AN UNDER-
GROUND RUN OR TWO FOUND. STILL
DRIZZLING AT 5:00 PM.

FROM 9:30 TO 10:00 PM RAN 15 TRAPS N OF LOCKED
GATE - SAW ABOUT 10 OF THEM + GOT ONLY A COUPLE OF
MICROTUS + A COUPLE OF P. MANICULATUS, AND RAN TRAPS
AT 75 \pm FT. IN 20 OF THEM HAD 4 OR 5 PEROMYSCUS,
3 OR 4 P. MANICULATUS, 1 MUS, AND 1 Sorex
^{VAGRANS} ~~TRIDACTYLUS~~. ALL OF REST EXCEPT 1 WERE
SPRUNG. STILL DRIZZLING. OWL HAS BEEN HEARD
140 SINCE DUSK. ^{HOO} ^{HOOO} ^{HOO} ^{HOO}. A COUPLE OF
MINUTES BETWEEN SETS OF NOISES.

A.C. ZIEGLER
1957

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WENO EMBANKMENT, 10[±] TO 75[±] FT., MARIN CO., CALIF.

Dec. 29

RAN + PICKED UP ANH TRAPS (EXCEPT LEFT 25 AT 75[±] FT.) BETWEEN 8 AND 10 AM. GOT 5 ~~OF~~ MORE Sorex ^{VARRANS} ~~TRAPROVERS~~, NO MUS, 6 OR 8 REITHRODUS, 8 OR 10 MICROTUS OR MORE AND 1 NEUROTRICHUS. GOT NEURO. BELOW DAM - THOSE TOOK ALSO MICROTUS + PEROMYSCUS BUT NO REITHRODUS + NO Sorex. ALSO THERE GOT 2(?) TARICHIA LAST NIGHT + 1 THIS MORNING. ALSO A "BOYANA" SLUG. HAD NO ANIMALS IN 40[±] TRAPS SET IN BUNCH GRASS CLUMPS AT ABOUT 50[±] FT. IN COW PASTURE ALTHO I WOULD HAVE EXPECTED MANY. DID SEE ACTIVE MICROTUS RUNS THERE. CATS^(?) PULLED SOME NEARBY TRAPS + ATE CONTENTS. SAW TWO CATS THERE THIS A.M. SO GUES IT WAS THEM. GOT GARDNER NEARBY AT 50[±] FT. AT 12:45 PM. RERAN THE 25 TRAPS AT 75[±] FT. GOT (SMALL?) Sorex ^{VARRANS} ~~TRAPROVERS~~ A COUPLE OF PEROMYSCUS + A YOUNG MICROTUS. LEFT FOR HOME AT 1:15 PM. SKY OVERCAST BUT ASIDE FROM DRIZZLE MOST OF LAST NIGHT THIS A.M. WAS DRY AND NOT TOO COLD. CAUGHT A SMALL ENSATINA CRAWLING ABOVE GROUND ALONG NEARLINE JUST N OF LOCKED GATE IN VERY WET SANDGRASS, BUNCH GRASS + FEEN CLUMP, AT ABOUT 8:30 AM TODAY. GIVEN TO JIM ANDERSON, MUSE.

P. L. Fitcher
1957

JOURNAL

W end Elk Valley, 10[±] to 75[±] ft., Marin Co., Calif.

Dec. 29
(cont.)

THE SPECIMENS SAVED FOR MVZ (WITH EXCERPTS²
OF THANOMYS) HAD BEEN INTERFERED WITH BOON'S
FLUID TO PRESERVE THEM AFTER WEIGHING. THIS
FLUID HARDENED THEM QUITE A BIT SO THAT SOME
LENGTHS MAY BE A BIT SHORTER THAN IF THE
SPECIMEN HAD BEEN FRESH. WHATEVER THE DIFFERENCE
(AND IT SHOULD NOT BE TOO GREAT) IT WILL BE THE
SAME FOR ALL THESE PRESENT SPECIMENS.

4.5 mi. E, 6.5 mi. S SAN BENITO, SAN BENITO CO., CALIF.

Dec. 30

PUT UP (ON JAN 3, 1958) A ♀ PEROMYSCUS MANICULATUS
FOR PERSONAL COLLECTION TRAPPED BY W^M Z. LIOICKER
OF MVZ ON TRIP OVER THE HOLIDAYS. SEE HIS NOTES
FOR HABITAT, ETC. DATA. HE GAVE LOCATION FROM
ROAD MAP. NO ELEVATION. GOT 2 FROM HIM - GAVE
OTHER TO PETE SCHRAMM, MVZ. DR. LIOICKER PUT
UP SOME OTHER MAMMALS CAUGHT ON TRIP TO GO
INTO MVZ. ~~I THINK~~.

END 1957 JOURNAL

Ziegler, A. C.
Aug.-Dec., 1957
Species Accounts
Mammals

A.C. ZIEGLER

1957

(THIS PAGE
TRANSCRIBED
FROM ORIGINAL
NOTES)

DIDELPHIS VIRGINIANA

STRAWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIF.

COOT'S:
AUG. 9

BRIAN K. McNAB CAUGHT A YOUNG ONE ABOUT
10" TOTAL LENGTH IN A LARGE SHERMAN LIVE
TRAP PLACED UNDER A LEANING TREE TRUNK
IN BAY THICKET ABOVE THE CREEK. EXACT
SPOT WAS JUST BELOW THE FIRE ROAD BEHIND
THE BOTANICAL GARDENS WHERE THE FIRE ROAD
MAKES A HORSESHOE BEND AS IT STARTS
CLIMBING UP THE SOUTH SIDE OF CANYON.

— PUT UP SEPT. 21, BY A.C.Z. #943.

A.C. ZIEGLER
1957

Sorex AERIFICUS

POUNDER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG 27 - ~~30~~²⁹

4 ♂, 1 ♀ CAUGHT HERE ARE WITHIN 100 FT. OF EACH OTHER UNDER 3-4 FT. HIGH WILLOWS WITH ROOT-HIGH/SCOUT IN ~~FLAT~~ NEXT TO OUR CAMP. GROUND DAMP WHERE CAUGHT BUT NOT SOAKING WET. TRAPS NEXT TO WATER STANDING IN LOW SPOTS DID NOT CAUGH THEM. ANIMALS CAUGHT BOTH DAY & NIGHT. OTHER MAMMALS CAUGHT IN SAME HABIT WERE Microtus LONGICAUDUS & Peromyscus MANICULATUS(?). JUNCOS & A Canary(?) WARBLER CAUGHT HERE ALSO. 2 ♂ CAUGHT IN SAME TRAP 12 HOURS APART. ♀ WAS WHISTLING BUT NO MACROSCOPIC SIGNS OF SEARS WERE EVIDENT ALTHO UTTERS WAS SWALLOWED

A.C. ZIEGLER
1957

Sorex paucis

Poker Flat, 5000 FT., 12 MI. NW HARRY CAMP, SISKIYOU CO., CALIF.

AUG. 27 1 IN SHERMAN LIVE TRAP AT NIGHT SET UNDER
WILLOWS OVERHANGING THE PEBBLY BED OF A 3-FT. WIDE
SWIFT STREAM. MEADOW SURROUNDING SPOT WHERE
CAUGHT. TRAPS ~~SET VIA~~ (BOTH MUS. SPEC. & MORE
LIVE TRAPS) SET ALONG STREAM BED ON ROCKS &
UNDER OVERHANGING BANKS DID NOT TAKE THEM
IN 4 NIGHTS TRAPPING. DR. BENSON TOOK 3 IN
GRASSIER SPOTS THAN MINE ALONG STREAM.
ANIMAL WAS DEAD IN TRAP - TAIL & HINDQUARTERS
WET - REST DRY.

BUTT CREEK, ^{4300± FT.} 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT. 4 1 IN MUS. SPEC. SET BESIDE SCORP AT
SPOT WHERE SIDE BRANCH OF MAIN CREEK
FLOWS OVER & THRU OLD BEAVER DAM. TRAP
SET ON MOSSY BRANCH WITH WATER TRICKLING
ON BOTH SIDES. ONLY 1 TAKEN DURING STAY
HERE. Sorex paucis, Neotrichus, Microtus spp.
& Peromyscus TAKEN NEARBY.

A.C. ZIEGLER
1957

SOREY NOBBIIDGOS

(13)

BRUSH SHANTY CAMP, ^{3700± FT.} T. 12N, R. 5E, Sec. 13, Siskiyou Co., Calif.

AUG 22 DR BENSON GOT 1 BESIDE LOG 2 FT.
FROM CREEK IN WET GULCH AT ABOUT 10:30
PM.

AUG 23 DR. B. GOT 1 MORE APPARENTLY ON
DRYER GROUND THAN THAT OF LAST NIGHT.
I GOT 1 TAIL OF PROBABLY THIS SPECIES
BESIDE LOG IN FIRS, DOUGLASS & SCRUB OAK.

AUG 23
(CONT.)

ENK VANEY GUNN SDA, ^{4300± FT.} T. 14N, R. 4E, Sec. 23, DeNoto Co., Calif.

1 IN MUS SPEC. IN TANK BEANS ON WET GROUND
BESIDE POND AT ABOUT 7:00 PM.

AUG 24 1 ON DRY GROUND BEHIND BIG LOG 10 FEET
FROM POND ~~IN A SIDE BRANCH OF~~ OF STILL WATER.
SNOUT BADLY EATEN BY INSECT. ALSO 1 IN LIVE REED
(OARS) IN GRASSY PATCH ON SLOPE BESIDE WILLOW
CRAB IN MEADOW, 150 FT. FROM STREAM.

POKER FLAT, 5000 FT., 12 MI. NW HARTY CAMP, Siskiyou Co., Calif.

AUG 29 1 ♂ IN MUS. SPEC. WITH WANNERS ALONG GRASSY
EDGE OF SWIFT-FLOWING STREAM.

AUG 30. 1 ♀ LATERAL BUT WITH UTERUS SHOWING NO SCARS
TAKEN UNDER BUSH ON BANK HILLSIDE BEHIND
BORDERS OF MEADOW. THIS SAYS AT FAR END OF
FLAT FROM OUR CAMP.

SUPPER RANCH, 3400± FT., 3 MI. E MONTGOMERY C.R.P.O., SHASTA Co., Calif.

SEPT. 1

1 WITH CRUSHED SKULL IN LITTER IN DOGWOOD-MAXWELL-
ANDER THICKET BESIDE LITTLE.



A.C. ZIEGLER
1957

Sooty Newborns

(2)

BUTT CREEK ^{Y300 ± FT.} 8 MI. S ANESIDE, PLUMAS CO., CALIF.

SEPT. 4 1 DEAD IN LIVE LEAF UNDER BUSH ON SLOPE WITH CONIFERS + FLOWING LOGS BUT LITTLE LITTER OR HUMUS.

WENO ELL VALLEY, 10 ± FT., MARIN CO., CALIF.

DEC. 12 ONLY 1 TAKEN - THIS JUST BELOW DAM ON EDGE OF ROCK IN BUNCH GRASS FIELD. BUNCH GRASS VERY THICK - FORMING SOLID COVER. MANY SAWDEES WERE BELOW THE LAKE.

DEC. 29 1 TAKEN IN VALLEY TODAY - MIXED WITH A BUNCH OF S. VAGRANS SO I DON'T KNOW EXACTLY WHAT SPOT IT CAME FROM BUT IT HAD TO BE FROM WET GROUND IN OR AMONG BUNCH - AND SAWDEES CHUMPS.

A. C. ZIEGLER
1957

SOREX VAGRANS

BUST CREEK, ^{4300 \pm FT.} 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT. 3-5 DR. BENSON TOOK 3 ON 3RD DURING NITE IN MICROTUS RUNS IN SCOOB, IN DAMP TODAY MEADOW. I GOT NONE THE 3RD BUT DID GET 1 IN DRY MEADOW SCOOB ~~AT~~ BETWEEN 8:00 AM & 11:30 PM; ON THE 4TH. ALSO NEXT AM FOUND 3 IN TRAPS IN WILLOWS & SCOOB. SAME TRAPS HAD NOT TAKEN ANY VAGRANS THE NITE ~~BEFORE~~ AND DAY BEFORE. SOME OR ALL OF THESE WERE YOUNG.

WENO ELK VALLEY, 10 \pm TO 75 \pm FT., MARINE CO., CALIF.

DEC. 28-29 23 TAKEN THESE TWO DAYS ON WET GROUND IN & AMONG BUNCH- & SAWGEARS CLUMPS. MOSTLY MALES. MANY WERE TAKEN DURING DAY AS I RAN TRAPS SEVERAL TIMES. ABOUT 15 WERE TAKEN AT 75 \pm FT. (WHERE I GOT NONE THE WEEKEND BEFORE) IN THE 75 \pm FT. TRAPS GOT RETTARDOS, PEROMYSCUS MANICULATUS & SOME MICROTUS AT NITE; A FEW PEROMYSCUS & MICROTUS IN DAYTIME. SOREX BOTH TIMES. 3 OF THE 23 WERE PUT UP AS STUDY SKINS AFTER BEING WEIGHED & INJECTED WITH BOVINE FLUID. OTHERS WERE WEIGHED, INJECTED, MEASURED, SEXED & SAVED AS "SKULLS ONLY" FOR POSSIBLE USE IN MUSE AS ARE CLASS SERIES. THESE ARE DEEMED BIG FOR VAGRANS BUT DR. BENSON POINTED OUT LIGHTER UNDERSIDE & TAIL OF ABOUT 40 OR LESS MM. S. TRENBRIKES IS DARKER BELOW & HAS 45 \pm MM. TAIL.

A.C. ZIEGLER
1957

NEOTOMICHUS GIBBSI

4300 \pm FT.

BUTT CREEK, 8 MI. S CHESTER, PLUMAS CO., CALIF.

Sept 4

1 IN MUS SPEC (SKULL CRUSHED) BETWEEN 7:30 AM
+ 11:30 PM UNDER TANK SARGE ON DAMP GROUND ON
SMALL ISLAND IN WILLOW-SEDGE MEADOW.
ANIMAL WOULD HAVE HAD LITTLE TROUBLE
GETTING ON OR OFF ISLAND SINCE SARGE +
WILLOW BRANCHES PROVIDED BRIDGES. OTHER
SPECIES TRAPPED IN IMMEDIATE AREA WERE
Sorex VAGRANS, Microtus LONGICAUDUS, Peromyscus
MANICULATUS, Zapus PRINCIPIS + Sorex
PALUSSTRIS.

WENO CREEK VALLEY, 10 \pm FT., MARIN CO., CALIF.

Dec. 29

1 ♀ IN THICK BUNCH + SAW GRASS BELOW CAN
WHERE GROUND WAS MOSTLY FROZEN UP TO SURFACE
OR AN INCH OR SO BELOW. HARD TO SEE HOW ANIMALS
COULD USE EXTENSIVE TUNNEL SYSTEMS IN THIS AREA.
TRAPED JUST NEXT TO BARREN ROAD 5 FT. ABOVE
MARSH - DRY HILLSIDE WITH BRUSH ON OTHER SIDE
OF ROAD. IN THIS MARSH - ROUGHLY 75 YDS WIDE
+ 100 \pm YARDS LONG - GOT SEVERAL Microtus
+ 4 OR 5 Peromyscus MANICULATUS DURING
NIGHT + DAY. ALSO 3 OR 4 TRICHA (???) AND
1 "BANANA" SLUG. LAST WEEKEND GOT A Sorex
TROWBRIDGEI WITHIN 50 FT. OF THE SHREWMORE.
ALSO GOT A REITHRO THEN AS I REMEMBER IN
THIS MARSH. BUNCH + SAWGRASS FORMS A SOLID COVER
OVER AREA - LITTER ONLY AT BASES OF GRASS CLUMPS.

A.C. ZIEGLER
1957

NEUROTRICHUS GIBBSI

WENDEN VANNY, 10[±] FT, MARIN CO., CALIF.

Dec. 29
(CONT.)

¹⁹⁴⁴ DA. BENSON TRAPPED QUITE A FEW SHREW-MOLES IN THIS MARSH OR PERHAPS A HUNDRED YARDS OR LESS UP VANNY WHERE A LAKE EXISTS NOW. ~~WHEREVER~~ HE TRAPPED THEM IT MUST NOT HAVE BEEN AS WET AS THE AREA BELOW THE DAM IS AT THE PRESENT TIME - SINCE HE TOLD OF DIGGING IN THE CENTERS OF ~~BASES OF~~ BUNCH GRASS CLUMPS - NOW THERE SEEMS ONLY TWO AT CENTERS OF CLUMPS. TUNNELS WERE NOTICED IN DRIER SHORT GRASS AREAS TOWARD OCEAN FROM MARSH WHERE BUNCH GRASS CLUMPS WERE ABSENT OR VERY SMALL. THERE PROBABLY BELONGED TO MICROTUS FROM CUTTINGS SEEN IN THEM. BODY IN BOVINE'S FUR. SENT TO DR. C.H. CONNOR, DEPT. ZOOL., UNIV. MO, COLUMBIA MO.

A. C. ZIEGLER
1957

SCAPANUS

W. END GULF VAMPIRE, 10E TO 75E FR, MARLIN CO., CALIF.

Dec. 28-29 2 or 3 SURFACE-RAISING TUNNELS SEEN IN
LOW PASSAGES BUT NONE WAS FRESH. SAW NO
OTHER SURE SIGN OF MORE WORK ALTHO MUCH
DIRT-MOUNDING WHICH I TOOK TO HAVE BEEN
DONE BY THOMOMYS.

A.C. ZIEGLER
1957

MYOTIS CALIFORNICUS

SUPAN RANCH, 3400[±] FT., 3 MI. E MONTGOMERY CR. P.O., SHARON CO. CALIF.

~~Dec~~ 31. DR. BENSON SHOT 1 ON ROAD BESIDE LAZAR LANE.

SEPT. 1

"

THESE BATS SEEM TO FLY LOWER & MAY STICK
NEAR THE WOODS MORE THAN THE LAZAR BATS
(LABONYCTERIS + GATHEICUS) WHICH WERE SHOT HERE.

A. C. ZIEGLER
1957

MYOTIS THYSONOCHUS

^{4300± FT.}
BUTT CREEK, 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT. 3 SHOT 1 AT DUSK FLYING 15 FT. UP IN MEADOW NEAR WOODS BOGGE. OTHER BATS SHOT IN SAME MEADOW ALONG STREAM WERE EPIDERMIS, LABRONYCHUS, AND MYOTIS VENTRIS. THIS SPECIES LOOKED LIKE A "SMALL" BAT FLYING.

MINE NEAR LUCERNE, LAKE CO., CALIFORNIA

SEPT. 6 1 SEEN WITH OTHER MYOTIS IN OLD MINE TUNNEL AT 2 OR 2:30 AM. DR BENSON & OTHERS HAVE BANNED IN THESE TUNNELS BEFORE.

A.C. ZIEGLER
1957

LABIONYCTERIS NOCTIVAGANS

^{4300± FT.}
END VANNY QUASO STA. T. 14N, R. 4E, SEC. 23, OCHOWAT CO., CALIF.

AUG. 23 DR. BENSON SHOT 1 AT TWILIGHT IN MEADOW
HARD.

AUG. 24

"

SUPAN RANCH, 3400± FT., 3 MI. E MONTGOMERY C.R.O., SHASTA CO., CALIF.

SEPT. 1 SHOT 1 AT DUSK FLYING ALONG ROAD BESIDE
LARGE LAKE. WHITE ON BACK OF THIS SPECIMEN
NOT TOO EXTENSIVE — GIVING IT RATHER A BLACK
APPEARANCE.

^{4300± FT.}
BUTT CREEK, 8 MI. S CHESTER, PLUMAS CO., CALIFORNIA

SEPT. 4 SHOT 1 AT DUSK FLYING 25 FT UP OVER
MEADOW WITH STREAM BORDERED BY CONIFERS.
THIS APPEARS A "LARGE" BAT IN FLIGHT. OTHER
BATS SHOT NEARBY ALONG SAME STREAM EPIDICUS
MYOTIS THYSONOTES, MYOTIS VENTRIS(?)

A.C. ZIEGLER
1957

EPITERICUS FUSCUS

SUNN RANCH, 3400[±] FT., 3 MI. E MONTAGNEY CR., P.O., SHARPS CO., CANE CO.

AUG. 31 SHOT 1 FLYING OVER ROAD BETWEEN LAKE & SMOKE LAKE AT TWILIGHT. VERY FAT ♀ & BIG.

BUTT CREEK, ^{4300[±] FT.,} 8 MI. S CRESIDOR, PUMPA CO., CANE CO.

SEPT. 4 DR. BENSON SHOT 1 BROWN CREEK OVER MEADOW. OTHER BATS TAKEN ALONG SAME CREEK WERE LASIONYCTERIS, MYOTIS THYSONOTES & MYOTIS VENTRIS(?)

A.C. ZIEGLER
1957

APLODONIA RUFIA

Poker Flat, 5000 ft., 12 mi. NW Happy Camp, Siskiyou Co., Calif.

AUG. 28 1 ♂ TAKEN BETWEEN 3:00 PM & 10:00 PM IN
BURROW SYSTEM ON DRY HILLSIDE ABOUT 25 YDS
FROM A SMALL SWIFT STREAM. MUCH DIRT
& ROCKS PILED OUTSIDE OF BURROWS. AND THIS
MAGGOT HOLE WAS DRY. HOLES WERE ABOUT 3-4 IN
IN DIAMETER. TAIL WAS #1 STICK. SET HAD
BEEN FISHED IN TWICE DURING PRECEDING DAY
& NIGHT & HAD NO BAIT. TAILS LEFT ANOTHER 24
HOURS BUT NO MORE WERE TAKEN IN THIS RUN.
SAW SIMILAR HOLES 50 YDS DOWN HILLSIDE
IN MORE OPEN HABITAT. SCHUTTLERS SET THERE
WERE NOT SPRUNG. SPOT WHERE APLODONIA WAS
TRAPPED HAD CONIFERS & DEAD LOGS & BRUSH & AROUND
IT AND LITTLE GREEN GRASS OR PLANTS. TAIL
MEASUREMENT WAS TAKEN FROM CIRCUMFERENCE AFTER
SKINNING. BEFORE SKINNING TAIL SEEMS TO MEAS-
URE MUCH SHORTER.

A.C. ZIEGLER
1957

SCIURUS DOUGLASSI

BARK SHEDDY CAMP, ^{3700[±] FT.} T. 12 N, R. 5 E, sec. 13, Siskiyou Co, Calif.

AUG. 22 CAUGHT 1 IN PAST TRAP WITH APRICOT SET
ON OPEN GROUND BETWEEN 2 DOUGLAS FIRS
15 FT. APART. AT ABOUT 2 OR 2:30 PM. SAW
NO OTHERS IN CAMP BUT DR. BENSON SHOT
AT A COUPLE OF ONES ON FIRE ROAD
~~THAT~~ ^{THRU} THE FOREST.

DR BENSON SHOT 1 NEAR CAMP THIS P.M.

AUG. 25 ENK VANEY GUARD STATION, ^{4300[±] FT.} T. 14 N, R. 4 E, sec. 23, Del Norte Co, Calif.

SAW NONE IN CAMP BUT 1 RAN ACROSS
ROAD 3⁺ MILES OUT OF CAMP AS WE WERE
ENROUTE TO 4-MILE CREEK.

POKERFLAT, 5000 FT., 12 MI. NW HAPPY CAMP, Siskiyou Co. Calif.

AUG. 27-30 DR BENSON GOT 2 OR 3 HERE - ONE EATEN IN
TRAP BY GOSHAWK. 2 OR 3 OTHERS ~~SCURRAWS~~
SEEN AROUND CAMP IN CONIFERS.

A.C. ZIEGLER
1957

SCIURUS GRISCOMI

AUG 21 BASH SHANNY CAMP, ^{3700± FT.} T. 12 N, R. 5 E, Sec. 13, Siskiyou Co., Calif.
DR BENSON SHOT 1 ON ROAD THRU FOREST
LEADING TO THE CUT-OFF TO THIS CAMP.
ANIMAL HAD WARTHOLES AROUND NECK &
POSSIBLY SOME SORT OF MANGO.

AUG 25 ELK VANNY QUARTER STA., ^{4300± FT.} T. 14 N, R. 4 E, Sec. 23, De Norte Co., Calif.
SAW 3 OR 4 MORE ON ROAD WHILE LEAVING
CAMP ENROUTE TO 4-MILE CREEK. DR. BENSON
CLIMBED A 30 FT. FIR TO A NEST ^{IN TOP} & HALF-WAY
UP THE TREE THE SQUIRREL WENT THRU BRANCHES
OF ADJOINING TREES. SAW NONE IN THE MEADOW
OR IMMEDIATE SURROUNDINGS.

A. C. ZIEGLER
1957

CITELLUS BOGENYI

BUTT CREEK, ^{4300 ± FT.} 8 MI. S CHESTER PLUMAS CO., CALIF.

SEPT. 4 I TRAPPED ^{ABOUT 3:45 PM.} IN SCHWIMMER ON LARGE LOG NEAR
BASE OF CONIFER SHADE. SEVERAL HOLES 3-4
IN. IN DIA. SEEN ALONG BOTTOM OF SHADE AT
EDGE OF MADOW WITH DIRT & ROCKS PILED
OUTSIDE OF THEM & MAY HAVE BEEN BURROWS
OF THIS SPECIES. NONE BESIDES THE TRAPPED
ONE SEEN HERE BUT SEVERAL SEEN ALONG
ROADS COMING INTO & LEAVING THIS AREA.

HASKINS EXPERIMENTAL STATION, MONOCINO CO., CALIF.

SEPT. 6 SAW 4 OR 5 ON DRIFT SHADES AROUND
ROCKS OR LOGS DURING MORNING HOURS -

A.C. ZIEGLER
1957

CITRINUS BOECHERI DOUGLASS

End Vanner Gordo Str. ^{4300± ft.}, T. 14 N, R. 4 E, Sec. 23, DeWitt Co., Calif.

Aug. 24 Dr. BENSON SHOT A YOUNG ONE OUT OF COLONY(?)
NEAR MEADOW HOLE (NOT SAVED). I GOT 1 ^{ADULT} IN

~~A~~ SCHUYLER TRAP SET BEFORE A FRUITING
RUBUS (FRUITIFLORUS?) WHOSE SEEDS SHOWED
SOME ANIMAL WAS EATING FRUIT. THESE TRAPS
BAITED WITH ALMONDS & SQUIRREL MEAT.
ANIMAL CAUGHT SOMETIME IN AFTERNOON &
BEFORE 7:00 PM.

Poker Flat, 5000 ft., 12 mi. NW Happy Camp, Siskiyou Co., Calif.

Aug 27-30 Dr. B. TRAPPED 2 MORE - NONE SEEN BY MYSELF.
ONE OF HIS WAS A YOUNG INDIVIDUAL

A. C. ZIEGLER
1957

CITRINUS HORTONII

End Vanner Gussd Sta. ^{4300± ft.} T. 14 N, R. 4 E, Sec. 23, DeWatte Co, Calif.

Aug. 25 ENROUTE OUT OF THIS LOCALITY DR. BENSON
SHOT YOUNG ONE BESIDE ROAD & SHOT AT
ON OTHER NEAR Serpentine Gap. WE SAW
102 TWO MORE. THEY WERE NOT SEEN ANY
OR AROUND THE MEADOW WE CAMPED IN
BUT SEEMED TO BE FOUND ON THE ROCKIER,
SUNNIER BANKS ALONG THE ROAD. THERE SEEN
SEEMED FAIRLY SMALL.

Butt Creek ^{4300± ft.} 8 mi. S Chester Plumas Co, Calif.

Sept. 3-5 I SCHUYLER - TRAPPED SEVERAL & DR. BENSON
LIVE-TRAPPED SEVERAL AROUND OUR CAMP
ON CONIFER GROVE. SOMETIMES 2023 TAKEN AT
SAME NEAR LOCATION WITHIN AN HOUR OR SO
OR EVEN OTHER. FIRST CAMP WHERE THEY
HAVE BEEN COMMON RIGHT IN CAMP. ONE
GOT INTO OUR BEARS IN CAMP. 1022 STILL
HERE AFTER 5026 OTHER TRAPPED WITHIN
502405 OF CAMP. VERY QUICK ANIMALS.
ADULTS WERE VERY FAT, ESPECIALLY UNDER
SKIN OF POSTERIOR PART OF BODY.

A.C. ZIEGLER
1957

Eutamias amoenus

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 28 1 WHICH MAY BE THIS SPECIES TAKEN SOMETIME
BETWEEN 9:00 AM + 2:00 PM IN SCRUBBY WOOD
PRUNES + BIRD CASES UNDER LOW CONIFEROUS
DAY FORESTED HILLSIDE. CHIPMUNKS SEEMED
SCARCE HERE - ONLY 2 SEEN IN IMMEDIATE
VICINITY OF OUR CAMP BUT SEVERAL SEEN ON ROADS
IN + ALSO GOING OUT.

A.C. ZIEGLER
1957

EUMYMIS SPECIOSUS

^{4300⁺ FT.}
BUT CREEK, 8 MI. S CHESTER, PUMAS CO., CALIF.
SEPT 3-5 DR BENSON TOOK 2 OR 3 IN MUS & AGE'S ON
DRY CONIFER SHADE WITH FALLOW LOGS. 1 OR
2 SEEN ABOUT CAMP. I FINALLY CAUGHT 1 ON
THE 5TH BETWEEN 8:00 AM & NOON IN LIVE
TRAP ON DRY SHADE BUT CAUGHT NO OTHERS.
ANIMALS ARE QUITE COOPER - COLORED ON
SIDES — APPEARING QUITE BRIGHT IN COLOR
WHEN SEEN. CITOMYS LATERALIS SEEM
MORE COMMON, OR AT LEAST MORE OBVIOUS,
AROUND OUR CAMP. LIVE TRAPPED EUMYMIS
BROB BACK TO BRECKENRIDGE AS CAPTIVE. (AC 2494)

A.C. ZIEGLER
1957

Eutamias townsendi

BACK SHAWNY CAMP, ^{3700 ± FT.} T. 12 N, R. 5 E, SEC. 13, SISKIYOU CO., CALIF.

APR 22 SEVERAL IN TRAPS ON DRY HILLSIDES + 1
IN WET GULCHY BEHIND STREAM BED — PROBABLY
AND THIS SPECIES. THERE ANIMALS SEEN
IN WOODS BUT ONLY 1 WAS CAUGHT IN CAMP
& IT RAN BEFORE DR. BENSON COULD GET A
PISTOL. 1 TAKEN IN LIVE TRAP BETWEEN
7:30 & 10:30 PM.

APR. 23-25 ELK VANNER GARDEN ^{4300 ± FT.} T. 14 N, R. 4 E, SEC. 23, DEER VALLEY CO., CALIF.

FAIRLY COMMON IN WOODS AROUND THIS
LOCALITY — BUT NOT SEEN IN MEADOW. AND
LOOK FAIRLY SIMILAR + POSSIBLY ARE AND
THIS SPECIES.

A.C. ZIEGLER
1957

GLAUCOMYS SABRINUS

PONCA FLATS, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG 27-30 DR. BENSON TOOK 2 IN SCHUTTLERS NEARBY
CAMP AT BASES OF DEAD SNAGS + NESTS WOODS ON
DRY FRUIT + PIECE OF MEAT ON ONE NEST,
BOTH ♀♀. POUNCED SNAGS BUT COULD NOT SCARE OUT
ANY.

A.C. ZIEGLER
1957

THOMOMYS BOTTAE

SUNNY RANCH, 3400[±] FT, 3 MI. E MONTGOMERY CO., P.O., STARR CO., CALIF.

SEPT 1

4 IN OPEN FIELDS WITH SOME ROCKS IN
MEADOWS. GROWING WITH LITTLE OR NO ROCKS.

SEPT. 2

"

1 RUN SEEN IN DUSTY PLOWED & DISCED FIELD,
2 OF THESE 4 CAUGHT IN THIS 1 RUN.

^{4300[±] FT.}
BUTT CREEK, 8 MI. S CHICO, PLUMAS CO., CALIF.

SEPT 4.

1 IN DRIEST PART OF MEADOW NEAR
BASE OF CONIFER SLOPES. TRAPS SET IN OTHER
RUNS ON SAME SIDE OF CREEK FOR 7 DAYS
GOT NO OTHER BOTTAE. (DR. BENSON HAS
ALREADY CAUGHT 1 HERE), DR. B. ALSO CAUGHT
5 OR 6 MORE SMALL ONES IN SAME HABITAT
ACROSS CREEK. SEEMS AS IF THIS COUNTRY
WOULD SUPPORT MANY MORE BOTTAE THAN
WERE PRESENT ON MEADOW EGGES ON OUR
SIDE OF CREEK. A LARGE GRASSY ISLAND
OR PRAIRIE-LIKE ISLAND HAS NO
MOUNDS AT ALL ON IT AND BOTTAE
COULD HAVE REACHED IT ON DRY LAND MOST
OF TIME. NO MOUNDS SEEN ON DRY CONIFER
SLOPES. BUILDING OF THESE BOTTAE IS SMALL
FOR MONICOLA BUT ANIMAL THEMSELVES DO
NOT LOOK LIKE BOTTAE ACCORDING TO DR. BENSON
(EYES SMALL, EARS LONG, ETC.)



A.C. ZIEGLER
1957

THAMNOMYS DOMESTICUS

2.

W end End Valley, 75⁺ ft., Marin Co., Calif.

Dec. 29

1 ON HILLSIDE IN CATTLE PASTURE. FRESH
WORKINGS OF AT LEAST 4 OTHERS NOTICED IN
VALLEY — PROBABLY MANY MORE BUT NO SPECIAL
SEARCH WAS MADE FOR THEM. ANOTHER SET
OF 2 TRAPS CAUGHT NOTHING IN NITE & DAY IT
WAS OUT. IN SOME PLACES STRAIGHT ROWS
WITH SMALL PILES OF DIRT EVERY 2 OR 3 FT.
WERE NOTICED RUNNING ACROSS FIELDS — I
GUESS GARDEN ALSO.

A.C. ZIEGLER
1957

THOMOMYS MONTANA

4300[±] ft.,
Fort Vanner Guard Sta., T. 14N, R. 4E, Sec. 23, DeWard Co., CAN. N.

Aug. 24. Got 5 in meadow. Ground with some rocks + pebbles but fairly easily worked. Also saw fresh workings in grassy spots on wooded hillsides but did not manage to catch anywhere. Dr. Benson got several in meadow also. Cases from snow working seen on meadow. Dr. B. saw 1 case almost completely made up of rocks but what I saw were mostly dirt.

Potter Flat, 5000 ft., 12 mi. NW Happy Camp, Siskiyou Co., Can.

Aug. 27-29. 1 taken each day in runs in meadow and also ~~in~~ open rocky slopes in thin timber. Ground almost none pebbles + rocks up to 1 1/2 in in dia. Some "snow cases" seen on slopes. Some runs seen in very wet + peaty ground among willows but most seen on drier ground. Caught day & night.

P. I. ZIEGLER
1957

LARID CANADENSIS

Butte Creek ^{4300[±] FT.} 8 MI. S CHESTER, PLUMAS CO., CALIF.

SECT 3-5

THERE WERE APPARENTLY HERE UP TO
A YEAR OR SO AGO SINCE SOME CONIFERS
CUT DOWN WERE NOTED. BEAVER HAD
BUILT 2 OR 3 DAMS 10-15 FT LONG &
1 TO 2 FT. DOWN ON SIDE BRANCHES OF
CREEK. NO LOGS NOTED BUT TOP OF
BIG BIRCHES ON ISLAND HAD CAUGHT IN
SNOWYALOE PASSAGES & COULDS 1 TO 2 FT
IN HEIGHT & 1 TO 3 FT. WIDE-ENTRANCES
NOT SEEN. MANY APPARENT WINDOWS CUT
LONG BEFORE BY ANIMALS. DR. BENSON FOUND
AN APPARENTLY "ACTIVE" DAM DOO YOSOR
SO UP STREAM. CATTLE ARE GRAZED ALONG
THIS STREAM NOW & MANY FISHERMEN
APPARENTLY COME HERE ON HOLIDAYS AND
HAVE DONE SO FOR SOME TIME I GUESS.

A.C. ZIEGLER
1957

REITHRODONTOMYS MEASHORTI

W. End El Estero, 10[±] to 75[±] ft., Marin Co., Calif.

Dec 22 About 8 or 10 CAVANTS IN BUNCH AS ARE
CLUMP CENTERS IN TRAPS SET FOR NEUROTRICHUS
NOTICEABLY MORE COMMON IN CLUMPS THAN
IN RUNS BESIDE THE CLUMPS. ALL LOOKED
ADULT.

Dec. 28-29 ABOUT 15 TAKEN ~~ABOUT~~ ^{ALL} ABOUT 25[±] AND
75[±] FT. ALL TAKEN AT NIGHT SO SEEM TO BE
STRICTLY NIGHT WORKERS - NOT SO WITH MICROTUS
PEROMYSCUS MANICULATUS AND Sorex VAGRANS

A.C. ZIEGLER
1957

PEROMYSCUS BOYLEI

JUL. 4-MILE CREEK & CLEAR CREEK, ^{1400 ± FT.} T. 15N, R. 6E, S. 22E, ²SISKIYOU CO., ALA.

AUG. 26

DR BENSON CAUGHT 7 ± ALONG WITH P. MANICULATUS & P. TRUEI ON HIGHER DRIER GROUND HERE.

SUNNYSIDE, 3400 ± FT., 3 MI. E MONTGOMERY CO. P.O., ^{counties} STANBOL, ALA.

SEPT. 1

DR BENSON TOOK 1 YOUNG ALONG WITH SEVERAL P. MANICULATUS IN BRUSH & LOW GUNNY BELOW LARGE WOOD DAM.

A.C. ZIEGLER
1957

PEROMYSCUS MANICULATUS

(1)

BACK SHANTY CAMP, ^{3700± FT.} T. 12N, R. 5E, Sec. 13, Siskiyou Co., Calif.

AUG 21 CAUGHT 4 ^{in mus. spec's} BETWEEN 8 AND 10:30 PM IN WET GRASS & UNDERBUSH ALONG VERY SHALLOW STREAM. ALL IN "ADULT" PELAGE.

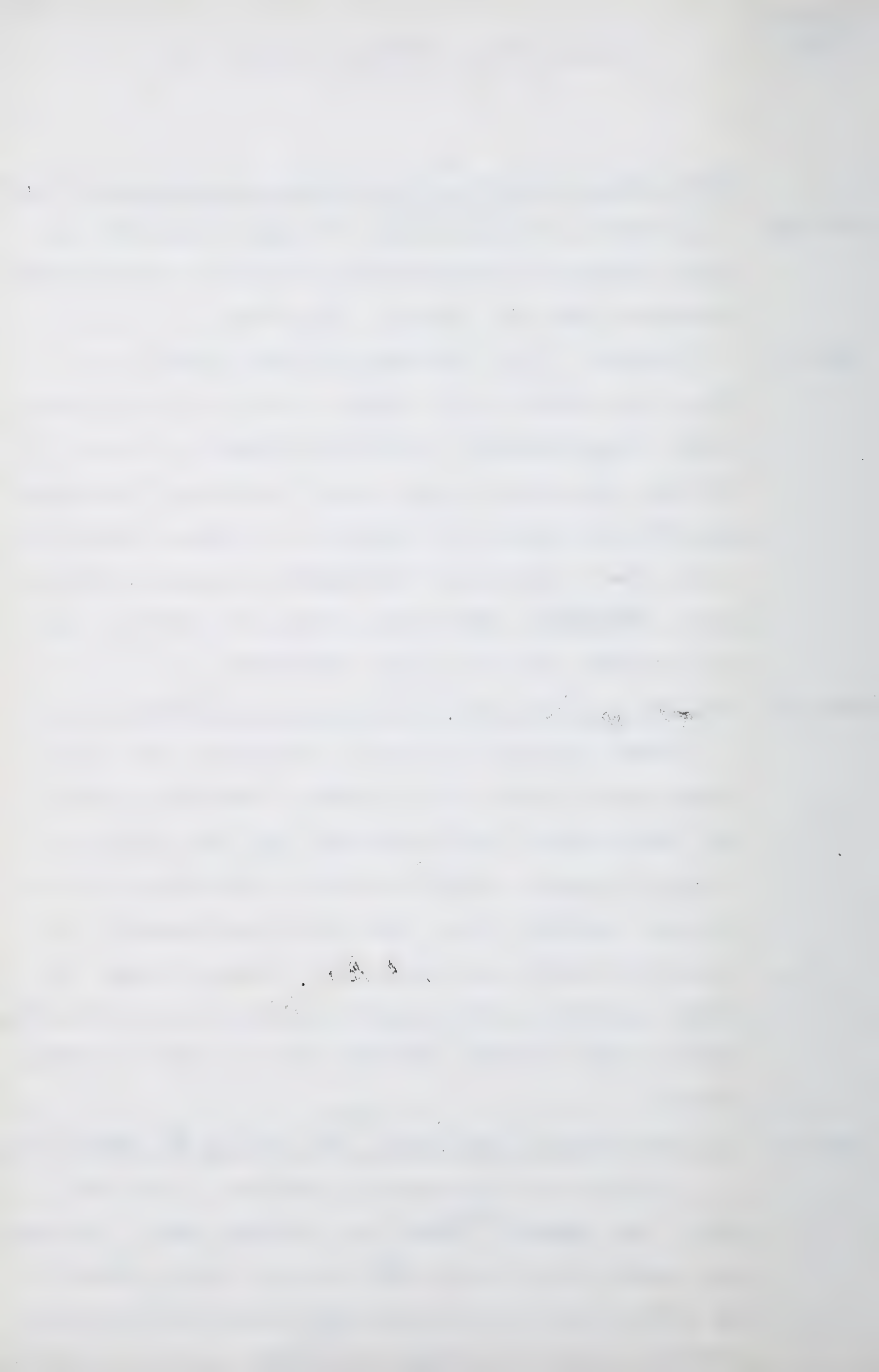
AUG 22 CAUGHT 3 IN SHOEMAN LIVE TRAPS ON DRY HILLSIDE WITH TALL FIRS & SOME 3 FT. HIGH UNDERBUSH DURING NIGHT. ONLY 1 SHOWED REMAINS OF GREY "JUVENILE" PELAGE. DR. BENSON TOOK 8 ALONG SMALL STREAM. 1 IN HALF-JUVENILE PELAGE IN SNAP TRAPS IN WET ~~MEADOW~~ ^{GULCH} BETWEEN 7:30 & 10:30 PM. 1 IN LIVE TRAPS DURING SAME PERIOD.

AUG 23-25 ENCL VANEY GUARD STA., ^{4300± FT.} T. 14N, R. 4E, Sec. 23, DeWette Co., Calif.

MANY CAUGHT IN ALL TYPES OF HABITAT AVAILABLE HERE. DR. BENSON CAUGHT 1 WHICH HE THOT WAS A JUVENILE BOYLEI OR NEARBY. 2 MANICULATUS WERE CAUGHT BETWEEN 8:00 & 10:00 AM HERE. IN MY LIVE TRAPPING A YOUNG ANIMAL ENTERED THE SAME TRAP 3 TIMES DURING THE FIRST HALF OF THE NIGHT EVEN AFTER BEING THROWN OUT OF THE TRAP TWICE.

AUG 26 Jct. 4-MILE CREEK & CLEAR CREEK, ^{4000± FT.} T. 15N, R. 6E, Sec. ², Siskiyou Co., Calif.

3 WERE ONLY MAMMALS CAUGHT IN 50 MUS SPEC'S SET ^{4-MILE} ALONG CREEK ON WATERS EDGE, ON ROCKS AND ALONG VERY DRY, BUT STILL MOSSY, BANKS. DR. BENSON, ON HIGHER DRY GROUND AWAY FROM CREEK CAUGHT P. BOYLEI & P. TERREY ALONG WITH THIS



A.C. ZIEGLER
1957

Peromyscus maniculatus

(2)

Jct. 4-MILE CREEK + CLEAR CREEK, ^{1400± FT.,} T. 15N, R. 6E, Sec. 2, Siskiyou Co., ORE.

AUG 26
(cont.)

SPECIES SO IT MAY BE, SINCE I CAUGHT ONLY MANICULATUS IN STREAMBED, THAT IT HAS A "NICHE" INCLUDING WETTER AREAS THAN THE OTHER TWO SPECIES.

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP SISKIYOU CO., CALIF.

AUG 27-30 MANY CAUGHT IN ANH HABITATS HERE AROUND CAMP. A FEW LOOKED BIGGER THAN OTHERS WITH LONGER EARS + THICKER, BUT NOT NECESSARILY LONGER, TAILS SO 4 OF LARGEST ANIMALS OF A GROUP OF TWENTY WERE SAVED.

SUPAN RANCH 3400± FT., 3 MI. E MONTGOMERY P.O., SHASTA CO., CALIF.

SEPT. 1 GOT 10 IN DOGWOOD THICKET, IN TANK GRASS + UNDER BUSHES AROUND THE LAKE + SMALL WIDE HOLE. DR. BENSON GOT SEVERAL IN BRUSH + LOG GULLY AND ALSO A YOUNG P. BOYLEI.

SEPT. 2 & 3 MORE AROUND LAKE + IN DOGWOOD - MAPLE THICKET IN MUS. SPECIES. ABOUT 12 OR MORE ON DRY BRUSHY HILLSIDES WITH SMALL CREEK RUNNING ALONG IT. 3 DEAD IN LIVE TRAPS.

BUTT CREEK, ^{4300± FT.,} 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT 3-5 SEVERAL TAKEN IN ANH HABITATS NEARBY HERE. TAILS SEEM SHORT + RATHER THICK. LIVE TRAPS HAD A COUPLE OF SAME INDIVIDUALS SEVERAL TIMES DAY + NIGHT.

A.C. ZIEGLER
1957

(3)

PEROMYSCUS MANICULATUS

W. END ELI VARNER, 10⁺ TO 75⁺ FT, MARIN CO. CALIF.

Dec. 22 15 or 20 TAKEN OVERNITE IN BUNCH
GRASS CLUMPS & RUNS IN RASINOS HERE.
MOSTLY ADULTS.

Dec. 28-29 SAME AS ABOVE EXCEPT ABOUT 20 TAKEN.
SOME WERE TRAPPED DURING DAY. IF ANY
AT ALL WERE YOUNG THEY DID NOT NUMBER MORE
THAN 2 OR 3.

A.C. ZIEGLER
1957

Peromyscus truei

Jct. H. MILE CREEK + CHERRY CREEK, ^{1400 ± FT.} T. 15N, R. 6E, Sec. ~~1~~², Siskiyou Co., ORE.

AUG 26. DR. BENSON CAUGHT 3 ANDALG WITH P.
MANICULATUS & P. BOTLEY ON HIGHER, DRIER
GROUND HERE. HE SAYS TRUEI MAY BE TOLD
FROM BOTLEY BY TRUEI'S BOBBED EARS & FINER
SCALATION OF THE TAIL.

A.C. ZIEGLER
1957

Neotoma cinerea

4300 \pm FT.
Eck Vanner Gorge Sta., T. 14 N, R. 46, Sec. 23, DeWitt Co., Calif.

AUG 25 1 ♀ IN SCHUYLER TRAP BAITED WITH
PRUNES & SQUIRREL MEAT IN FRONT TRAIL
ON BANK
3 FT FROM CREEK, ~~UNDER~~ UNDER A THIN BEATH
OF 8-10 FT. HIGH SHRUBS, ^{I SAW} NO INDICATION OF
HOUSES BUT DR. BENSON SAID HE SAW SOME
PILING OF STICKS WHICH WAS POSSIBLE WORK
OF A WOOD RAT.

POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, Siskiyou Co., Calif.

AUG 28 1 CAUGHT IN SCHUYLER UNDER END OF A
BIG LOG ON PRUNES & MOUSE BODY. SIGHT OF
A SKUNK OVER TO ANIMATOR. LOG WAS ON OPEN
FORESTED SLOPE NOT CLOSE TO ANY ROCK
OUTCROPPINGS.

AUG 29 1 AT BASE OF A LARGE CONIFER ON BIRD
BODY & PRUNES IN A SCHUYLER. SKUNK CAUGHT
SO NOT SAVED. SITE WAS AMONG TREES BUT
OPEN, SUNNY.
50 FT AWAY WAS A DIRT & ROCK SLOPE WITH
BOLOSONIA BURROWS & ONLY A FEW SHRUBS.

A.C. ZIEGLER
1957

CRETHARIOMYS OCCIDENTALIS

Back Shanty Camp, ^{3700[±] FT.} T. 12N, R. 5E, Sec. 13, Siskiyou Co., Calif.

AUG. 21 1 IN MUS SPEC SET IN WGT SET ALONG
STREAM BETWEEN 8 & 10:30 PM. MOUSE CAUGHT
BY LOG & VERY MEAN. TRAP SET IN HOLLOW
SCRAPED UNDER A FALLEN LOG BUT ABOUT
4 FT. FROM STREAM. TOOK PEROMYSCUS MANICULUS
NEAR THIS SPOT AND ~~LAST~~ THIS EVENING.

AUG. 22 1 IN LIVE TRAP ON DRY FIR-COVERED
HILLSIDE WITH SOME UNDERBUSH IN PLACES.
DR BENSON TOOK 1 ALSO NEAR STREAM
IN GREEN UNDERBUSH.

AUG. 23 1 ON DRY HILLSIDE IN LIVE TRAP UNDER
SCRUB OAKS 3 FT. DOWN BESIDE PATH. 25 FT
TO NEAREST LOG. THE 2 TAKEN THERE LAST
2 DAYS WERE ALMOST DEAD WHEN TAKEN FROM
LIVE TRAPS SO MAYBE THEY ~~WAS~~ ^{CANNOT} SURVIVE
AS LONG UNDER CRAMPED CONDITIONS WITH
LITTLE FOOD AS PEROMYSCUS CAN.

POLICE FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 27 1 IN LIVE TRAPS SET ON STEEP HILLSIDE UNDER
SOME BUSH WITH FIRS ABOVE. ALSO 1 IN
STREAM BED 20 FT. FROM BASE ~~OF~~ FORESTED
SLOPE.

AUG. 29 1 IN LIVE TRAP ON STEEP HILLSIDE NEAR PLACE
WHERE AUG. 27 LIVE TRAP SPECIMEN WAS CAUGHT.
AND UNDER A 3 FT HIGH SPRAWLING BUSH.
TRAP BAITED WITH CRACKED ORTS.

A.C. ZIEGLER
1957

MICROTUS CALIFORNICUS

SUPAN RANCH, 3400[±] FT, ^{3 MI. E}~~12 MI. NW~~ MONTGOMERY CR. P.O., SHASTA CO., CALIF.

SEPT. 1 CAUGHT 3 ADULTS & 1 YOUNG IN DEERS AROUND 2
RAILS HERE WHICH MAY BE THIS SPECIES BUT NO
TAILS LOOK LONG. RUNS SEEN IN DEERS BUT ARE
NOT PARTICULARLY DISTINCT.

W. END ELK VALLEY, 10[±] TO 75[±] FT, MARIEN CO., CALIF.

DEC. 22 MANY RUNS & UNDERGROUND TUNNELS OF
MICROTUS SEEN IN FIELDS — ABOUT 15-18
CAUGHT OVERNIGHT — MOSTLY GOOD-SIZED.
IF THE TUNNELS SEEN IN FIELDS — ABOUT
1 1/2 IN. IN DIA. WERE MADE BY MICROTUS
THE ANIMALS WERE CLEARING THEM
BY PUSHING OUT SMALL CLODS OF
MUD — NOTHING LIKE GARDNER WORKING
— JUST A CLOD OR 2. FLOODS OF RUNS
WERE WET FROM FLOODING WATER.
SOME OPENED IN BUNCH GRASS, SOME IN
OPEN FIELD BUT ALL HAD MICROTUS-LIKE
RUNS LEADING AWAY FROM THEM AT SURFACE.

DEC. 28-29 1500-20 TAKEN IN DAY & NIGHT AT AN ELEV-
ATIONS HERE. ONLY 2 SMALLER ONES TAKEN —
MOSTLY GOOD ADULTS. CUTTINGS FREQUENTLY
NOTICED IN RUNS IN BUNCH- & SAWGRASS.

A.C. ZIEGLER
1957

MICROTUS LONGICAUDUS?

①

ENK VANNY GRASS ST. ^{4300 ± FT.} T. 14N, R. 4E Sec. 23, Deuel Co., CAN. K.

AUG. 23-25 ON 23RD DR. BENSON LIFTED A LARGE PIECE
OF SHEET IRON ^{ON GRASS IN MEADOW} AT 3:00 PM & FOUND A YOUNG
ONE BENEATH IT. I LIFTED A PIECE OF BOARD
& FOUND 2 YOUNG IT ABOUT 9:00 AM. IN THE
SPOTS IN MEADOW WHERE GRASS GROW FAIRLY
THICK SOME RUNWAYS OR SORTS COULD BE
SEEN BUT MOSTLY RUNS WERE NOT NOTICEABLE
SOME OPEN RUNS A COUPLE OF, NCHOR WIDE
& MAYBE 1 1/2 IN. DEEP WERE SEEN IN A FEW
SPOTS IN MEADOW & DR. B. THOT THESE
MIGHT BE RUNS OF THIS SPECIES. ON 23RD
I GOT 1 (WITH SKULL BROKEN) IN MUS. SPEC. AMONG
WILLOWY BUSHES BESIDE CREEK BETWEEN
6:00 & 8:00 PM. ON 25TH GOT 1 ^{BREASTS OF} IN A
TRAP IN GUNNY RUNNING THRU WILLOWY
IN MEADOW & ALSO 1 ON MOIST BRUSHY
GROUND BESIDE STREAM. LAST SPOT WAS SURROUNDED
BY WOODS SO THERE ARE NOT APPARENTLY
RESTRICTED TO THE GRASS IN MEADOWS

AUG. 27-30 POKER FLAT, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

MANY TAKEN AMONG SAGEBRUSH IN TALL AND
SHORT GRASS, ALSO IN WILLOWS, IN WET FLAT.
NONE TAKEN ON DRY HILLSIDES. ON AUG 30 SAW
1 IN GRASS IN MEADOW ABOUT 8:00 AM.

SUPAN RANCH, 3400 ± FT., 3 MI. E MONTGOMERY CA. P.O., SHASTA CO., CALIF.

SEPT. 1-42

ANIMALS CAUGHT HERE BELONG TO THIS SPECIES OR M. CALIFORNIENSIS

A.C. Ziegler
1957

MICROTUS MONTANUS

Butt Creek, ^{4300± FT.} ~~Am. Schistose~~, Plumas Co., Calif.,

Sept. 3-5 Several taken in wet meadow with
1 to 2½ ft. high sedge & live & beaver-cut
willow bushes. 2 M. MONTANUS also taken
in meadow apparently in drier spots but
maybe not sure MONTANUS kept to this
drier ground. M. MONTANUS from this locality
is browner on back with a shorter tail
when compared to LONGICAUDUS from
here. Neither species taken on drier hill-
slopes bordering meadow. Young & adults
of LONGICAUDUS — the more common species —
taken ~~in the~~ meadow.

A.C. ZIEGLER
1957

MICROTUS MONTANUS

^{4300 ± ft.}
BUTT CREEK, 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT 4~~th~~ 1 TAKEN EVEN DAY IN DRIE PART OF
MEADOW ALONG WITH M. LONGICAUDUS (WHICH
SEE) UNDER 1 FT. HIGH STONE. SOME RATHER
INDISTINCT RUNS SEEN. SAGE WARBLERS
& PEROMYSCUS MANICULATUS TAKEN IN THESE
RUNS ALSO.

A.C. ZIEGLER
1957

MUS MUSCULUS

W ENDERLY VALLEY, 10[±] TO 75[±] FT., MARION CO., IOWA.

Dec. 22 1 IN TRAP AT 75[±] FT., AT 10:30 AM, DEC. 21
LOOKS SMOKY & GREYISH BROWN BELOW. TOOK
IT OUT, RESET TRAP & WALKED 10 STEPS AWAY.
WHEN TRAP SPRUNG AGAIN & HAD ANOTHER
SMOKY ONE BY TAKING SAME TRAP. 2 OR
3 MORE TAKEN, IN VALLEY OVERNITE. NONE
SEEMED ESPECIALLY LITE BELOW. BARN &
HOUSES WITHIN $\frac{1}{4}$ MILE IN 2 DIRECTIONS.

Dec. 28 2 MUS IN FIELDS IN BUNCH GRASS CLUMPS
OR GRASS BEHIND THEM. SEEMED ADULTS. NOT WHITE
BELOW. JUST GREY BROWN ABOVE & BELOW. TRAPS
IN ABOUT SAME LOCALITIES AS LAST WEEK-END.

A.C. ZIEGLER
1957

Zapus princeps

BUCK FLATS, 5000 FT., 12 MI. NW HAPPY CAMP, SISKIYOU CO., CALIF.

AUG. 27 1 IN TOWN ~~BELOW~~ MOUNTAIN STREAM
BELOW OUR CAMP. ~~FOR~~ FAT. Microtus
longicaudus & Peromyscus maniculatus TAKEN
IN SAME AREA.

AUG. 28 1 IN MUS. SPEC. ALONG STREAM BELOW CAMP
BUT ON ROCKS ON STREAM EDGE IN AREA OF
6 INCH - 14 INCH GRASS. CRUSHED SKULL - NOT SAVED.

BUTT CREEK, ^{+300 ± FT.,} 8 MI. S CHESTER, PLUMAS CO., CALIF.

SEPT. 3 1 IN MUS SPEC BESIDE STUMP UNDER 2 ½ FT.
TALL SCOOB. YOUNG WITH LITTLE OR NO FAT
VISIBLE. Sorex vagrans, Microtus spp., & Peromyscus
maniculatus & Neotrichnus TAKEN IN SAME
GENERAL HABITAT - ALSO A Sorex paucivittis
NEARBY.

A.C. ZIEGLER
1957

ETHIOPIAN

FOUNDER CAMP, 6 MI. E (BY ROAD) MT. CLOUD, SISKIYOU CO., CALIF.
AUG. 30 SAW 1 DEER ON ROAD BETWEEN YACKA & THIS
LOCALITY.

NEAR GREENVILLE, PLUMAS CO., CALIF.
SEPT. 2 SAW SMALL LIVE BLACKISH ONE WALKING
ON SHOULDER OF ROAD ROUGHLY 20 MI. BEFORE
WE REACHED GREENVILLE ENROUTE FROM SUSAN
RANCH, 3400⁺ FT., 3 MI. E MONTGOMERY CR. P.O., SHASTA CO., CALIF.

BUTT CREEK, ^{3000⁺ FT.} 8 MI. S CHESTER, PLUMAS CO., CALIF.
SEPT. 3 SAW $1\frac{1}{2}$ FT. DIA. CONIFER STRIPPED OF BARK
UP TO $1\frac{1}{2}$ FT. POSSIBLY BY THIS SPECIES ALTHO
BEAVER WERE ALSO PRESENT IN THIS AREA APP.
RECENTLY LOSS THAN A YEAR AGO.

A.C. ZIEGLER
1957

3700± FT.
BRUSH SHAWNY CAMP, T. 12N, R. 5E, SEC. 13, SISKIYOU CO., CALIF.

AUG. 22 DR. BENSON IDENTIFIED DROPPINGS BESIDE
ROAD AS THOSE OF BEAR. SAID THE
FECS HAD DIRT + OTHER DEBRIS IN THEM.
I SAW A FOOT-LONG, 6 INCH WIDE GOUGE IN
A VERY ROTTEN LOG ON DRY HILLSIDE WHICH
I THOUGHT MIGHT POSSIBLE HAVE BEEN
MADE BY A BEAR TEARING INTO THE LOG.
SAW A 5 INCH DIA HOLE IN DEAD ^(?) JEROME
RIDDEN TREE 4 OR 5 FT. OFF GROUND. HOLE
WAS 3 OR 4 INCHES DEEP + SHOWED 2 CLAW
MARKS ON UPPER EDGE. ALSO SAW ABOUT
SAME SIZE HOLE BUT ABOUT 8 INCHES DEEP
DUG INTO SIDE OF A LARGE ROTTEN FALLEN
LOG. GROOVES MADE BY CLAWS DEEPLY IMPRESSED
INTO LOWER EDGE OF HOLE.

4300± FT.
AUG. 23 END VANNER GUARD STA., T. 14N, R. 4E, SEC. 23, SAN NORTE CO., CALIF.

FOUND 2 PILES OF ~~BE~~ DROPPINGS PROBABLY OF
BEAR AS THEY CONTAINED MUCH COARSE LEAF MATERIAL
AND OTHER VEG. MATERIAL. A MR. LAMBERT SAID
BEARS WERE THIN THIS TIME OF YEAR AND WERE
OCCASIONALLY SEEN IN THIS AREA. HE DID NOT
SEEM TO THINK BEARS DID AS MUCH DAMAGE
TO YOUNG-RED WOOD TREES AS SOME PEOPLE SAID.

A.C. ZIEGLER
1957

PROCYON LOTOR

SUPAN RANCH, 3400[±] FT., 3 MI. E MONTGOMERY C.R.P.O., SHERIDA CO., CALIF.

AUG 31 - SEPT 2 TRACKS BUT NO ANIMALS SEEN. 1 SPRINGTRAP
DR. BEAVERS LINE ON TRAPS.

BUTT CREEK, ^{4300[±] FT.} 8 MI. S CHESTER, PUMPER CO., CALIF.

SEPT. 3 TRACKS OF 1 IN CAMP HOST NITE BUT A
STEEN TRAP SET A DAY LATER DID NOT
GET IT.

WEND ENK VALLEY, 10[±] TO 75[±] FT., MARSH CO., CALIF.

DEC. 28-29 TRACKS NOTICED IN 2 OR 3 SPOTS LAST WEEK END
AND THESE TWO DAYS. TRACKS IN SAME PLACES
SPRING + DRABOES - ESPECIALLY ALONG STREAM -
BUT MAY HAVE BEEN 2 HOUSE CATS IN VICINITY.

A.C. ZIEGLER
1957

MUSTELA ERMINIA

POKER FLAT, 1000 FT., 12 MI. N HARPAT CAMP, SISKIYOU CO, CALIF.

AUG. 28

1 ♂ CAUGHT RUNNING ACROSS RAT
TRAP SET ON END OF MOSSY LOG ACROSS STREAM.
THE TRAP WAS SO SITUATED THAT IN ORDER TO
KEEP AGAINST BANK OF STREAM WEAPON HAD TO
RUN ACROSS IT. BAITED WITH PRUNES, A SET
WHOSE STREAM LEFT SMALL POOL. SURROUNDED
BY TANK GRASS OR SEDGE. WILLOW THICKET
10 FT. AWAY.

A.C. ZIEGLER
1957

WEND ELL VARNER, 10[±] FT., MAZON CO., CALIF.

Dec. 29

DEAD ANIMAL ON BEACH - CRANIUM CRUSHED
BUT NO EXTERNAL INJURIES NOTED, SAVED UPPER
RT. CANINE + 3 UPPER RIGHT CHEEK TEETH. ANIMAL
WAS SEEN LAST WEEK-END ALSO. FUR SHEDDING
BUT OTHERWISE LOOKS IN FAIR SHAPE. IT
MUST TAKE A LONG TIME FOR ONE OF THESE
TO ROT DOWN TO SKELETON STAGE. CARCASS HAD
BEEN WASHED 25 MORE FT. INLAND SINCE
LAST WEEK RATHER THAN BEING WASHED AWAY
WAS ROUGHLY 5 FT. LONG. - FUR YELLOW-BROWN,
SEX?

A.C. ZIEGLER
1957

CORVUS CANADENSIS

Aug. 23 Enk Vannoy Grass Sta. ^{x300 ± ft,} T. 14N, R. 4E, Sec. 23, DeWette Co. Iowa
None seen but Mr. Lambert (see journal)
told us there used to be 3 in Front
Vannoy — with a meadow & pond about
~~three~~ miles up the road from our camp —
but now only 1 large male remained.
This one apparently was seen near the
domestic cattle grazing in the meadow
and had a large set of antlers. Lambert
said he pawed the ground & used his
antler — or the front spikes — to throw
a large branch from the ground out
of his way. He thought there were
"native" Enk & not the smaller "introduced"
Enk from further south whatever that
means.

H.C. BIEBLER
1957

ODOCOILEUS HEMIONUS

Elk Vannerbush Sta. ^{4300± ft.}, T. 14N, R. 4E, Sec. 23, Del Norte Co., Calif.

AUG 23-25 NOT SEEN BUT FRESH TRACKS AROUND
CAMP 2 NIGHTS. MR. HAMBOSET ^(see Journal) SAID THEY
WERE SEEN THRU THIS COUNTRY.

SUPAN RANCH, 3400± ft., 3 mi. E Monticello Cr. P.O., Shasta Co., Calif.

AUG 31-SEPT 2 MANY TRACKS SEEN ON ROADS + IN FIELDS AROUND.
NO ANIMALS ACTUALLY SEEN THO.

BUTT CREEK, ^{4300± ft.}, 8 mi. S CHESTER, PLUMAS CO., CALIFORNIA

SEPT. 3-5 TRACKS BUT NO ANIMALS SEEN IN OLD
BEARER MEADOW. APPARENTLY FEEDING PARTLY
ON SEGOE BUT THIS MAY HAVE BEEN WORK
OF RANGE CATTLE WHICH WERE ALSO SEEN
IN AREA.

HOLAND'S EXPERIMENTAL STATION, MENDOCINO CO., CALIF.

SEPT. 6 MANY ♀ + Fawns BUT NO BUCKS SEEN
BETWEEN 9:30 AM + 2:30 PM ON STATION.
LIMITED HUNTING ALLOWED HERE.

W. END
Elk Vannerbush, 10± to 75± ft., MARIN CO., CALIF.

DEC. 21 4, 2 AND 1 SEEN IN LATE AFTERNOON
ON RIDGES TO N SIDE OF VANNERBUSH. ANTI
HAWK IS POSTED AGAINST HUNTING BUT CLUB SHOOTERS
HERE.

DEC. 28-29 ONLY 2 SEEN THIS WEEK-END - TRACKS IN SEVERAL
PLACES - EVEN DOWN CLOSE TO OCEAN BEACH.

Ziegler, A. C.
1958

Catalogue
nos. 982-1332

A.C. ZIEGLER
1958

CATAGOG.

BROOKS ISLAND, 10[±] FT., CONTRA COSTA CO., CALIF.

JAN 5 COLL. P.V. ANDERSON & J.C. DUNN

982	♂ (TESTES 3x5 mm) NO TEETH	MUS MUSCULUS	167-77-18-12 ^(N)	20.5
983	♀ (NO TEETH)	"	159-78-17-13 ^(N)	15.1
984	♂ (TESTES 3x5 mm) NO TEETH	"	153-73-18-12 ^(N)	14.5
985	♀ (NO TEETH)	"	164-84-18 ¹ / ₂ -13 ^(N)	14.3
986	♀ (NO TEETH)	"	131-63-17-11 ^(N)	8.2

SAN RAFAEL (5 WERNER COURT), MARIN CO., CALIF.

PRELIM TO DEC. 29, 1957
PERMANENT DEC. 28, 1957
GIVEN #S JAN 8, 1958

COLL. MR. IRVING WERNER.
REC'D DEC. 28[±], 1957 THRU

ALCOHOLIC 987	MUS MUSCULUS	(NO TEETH)	THOMAS W. PERTAM (NO TEETH)
ALCOHOLIC 988	"	(NO TEETH)	"
ALCOHOLIC 989	"	(NO TEETH)	"

BORDELYN
("HEAD OF COVENICES CREEK"), ALAMOGA CO., CALIFORNIA

JAN. 15

COLL. MR. KIM HAYES

ALCOHOLIC 990	♂	SCIURUS NIGER	515-235-66-30 ^(N)	78.5mm
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BROOKS ISLAND, 50[±] FT., CONTRA COSTA CO., CALIF.

JAN 18

991	♂ (TESTES 3x5 mm) NO TEETH	MUS MUSCULUS	168-83-19-14 ^(N)	19.5
992	♂ (TESTES 2x5 mm) NO TEETH	"	175-82-19 ¹ / ₂ -13 ¹ / ₂ ^(N)	20.7
993	SET ♀ PART SKIN ONLY - PICK UP	HOMO SAPIENS AMERICANUS	NOMADS.	(ELEV. 0 [±] FT. ELEV. 10 [±] FT.)
994	SET ♀ PART SKIN ONLY - PICK UP	"	"	"

1 MI. E, 2 MI. N TRONA (SAN BERNARDINO CO.), INYO CO., CALIF.

1700[±] FT.

CATCH: JAN 30, 1958 DIED: FEB 26, 1961

995	♀ (NO TEETH)	DIPLODOMYS MERCERI	208 ⁺ -114 ⁺ -41-11 ^(N)	33.0
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A.C. ZIEGLER
1958

CATALOG

1/2 MI. SE (BY ROAD) SUMMIT-WALKER PASS, 5100[±] FT., KERN CO., CALIF.

JAN. 30

996 XANTUSIA

(COLL. BY DR. W.B. QUAY)

997 UTA

7 MI. E (BY ROAD) MERCURY HOT SPRINGS, FRESNO CO., CALIF.

JAN. 30

+ BACULUM - FRESH
DICK UP

998 ♂ (TES 15 X 2) VULPES MACROTIS

800-300-125-80^(N) (NO WT.)

12 MI. SE (BY ROAD) PAICINES, SAN BENITO CO., CALIF.

JAN. 31

999 ♂ (TES 22 X 4) PEROMYSCUS MEXICANUS 135-73-15-13^(N) 7.8

1000 ♂ (TES 21 X 4) " " 138-73-16-13^(N) 9.2

1001 ♂ (TES 31 X 5) THOMOMYS BOITAE 209-66-29-6^(N) 106.3

1002 ♀ (3 AT, 3 LT. 5 MM EMB) " " 211-61-29-6^(N) 128.6

1003 ♂ (TES 11 X 14 MM) " " 228-67-29-6^(N) 118.2

1004 ♀ (2 LT. 3 MM EMB, 3 AT, 2 LT. 5 MM EMB) NEOTOMA LEPIDA 316-145-31-28^(N) 137.5

8 MI. E, 5 MI. N MERCURY HOT SPRINGS, 4500[±] FT., FRESNO CO., CALIF.

PUT UP FEB. 4, COLL. JAN 29, 1958 BY VIC LEWIS
W. B. QUAY FEB. 4
& WM. MANOR

1005 ♀ (NO EMB'S) CITELLUS NELSONI 231-66-36-14^(N) 157.4

PANOCHÉ CREEK, 5500[±] FT., FRESNO CO., CALIF.

PUT UP FEB. 4, COLL. JAN 29, 1958 BY WM. MANOR
ALL WEIGHED ON FEB. 4

1006 ♀ (1 AT, 1 LT. 3 MM EMB) DIPodomys NIVRATOIDES 246-148-36-13^(N) 36.8

1007 ♀ (2 AT, 2 LT. SCARS) " " 231-132-38-12^(N) 38.2

1008 ♂ (TES 8 X 10 MM) " " 243-145-35-13^(N) 41.8

1009 ♂ (TES 6 X 10) " " 241-137-36-13^(N) 42.0

A. C. ZIEGLER
1958

CATALOG

PANOCHES CREEK, 550[±] FT., FRESNO CO., CALIFORNIA

PUT UP FEB. 4, COLL JAN 29, 1958 BY W^M J. MANN

1010	♂ (TES 5x10 GP 10+)	<i>DIPodomys NITRADOIDES</i>	235-131-36-13 ^(N)	43.5
1011	♂ (TES 5x10 GP 10+)	"	242-141-36-13 ^(N)	43.9
1012	♂ (TES 5x10 GP 10+)	"	239-140-35-13 ^(N)	44.8
1013	♂ (TES 5x10 GP 10+)	"	TAIL TIP MISSING? 220-113-36-13 ^(N)	45.7
1014	♂ (TES 6x12 GP 10+)	"	252-147-36-13 ^(N)	47.9

BROOKS ISLAND, 0 TO 10[±] FT., CONTRA COSTA CO., CALIF.

PART SKEL ONLY - AICUA

FEB 9

#1015 FOUND ORIGINALLY BY PAUL
ANDERSON ON FEB. 2, 1958.

1015 *HOMOSAEUS AMERICANUS*

NO MEAS. (ELEV.
OFF FT.)

PART SKEL ONLY - AICUA

1016 (NMT) " " "

NO MEAS. (ELEV.
5 FT.)

PART SKEL ONLY - AICUA

1017 " " "

NO MEAS. (ELEV.
10[±] FT.)

STRAWBERRY CANYON (N ENOBOTANICAL GARDENS) BERKELEY, ALAMEDA CO., CALIF.

FEB 20

ALL COLL BY F. COMPTON & T. TOSIO

1018 ♀ (NO
EMB) *Sorex araneus*

99-37-11-8^(N) 4.7mm

1019 ♀ (NO
EMB) " "

101-35-11-8^(N) 4.9mm

1020 ♀ (NO
EMB) " "

99-36-12-8^(N) 5.0mm

1021 ♂ (TES 3x5
GP 10-?) " "

103-35-11-8^(N) 7.4mm

1 MI. N CAMP MEEGER, SONOMA CO., CALIFORNIA

PUT UP FEB. 20 (COLL FEB. 16, 1958) COLL. W^M HAMMOND III & DAN ROBERTS

1022 ♂ (TES 3x4
GP 10-) *PEROMYSCUS LONGICAUDUS*

171-69-20-12^(N) 19.4

1023 ♂ (TES 3x4
GP 10-) " "

164-69-20-11^(N) 26.3

A.C. ZIEGLER
1958

Catalogue.

STRAWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIF.

MAR 1

1024	♂ (TES 2x4 CP10-)	<u>THOMOMYS BOTTAE</u>	190-58-27-5 ^(N)	83.1
1025	♂ (TES 6x9 CP10+)	<u>PEROMYSCUS CALIFORNICUS</u>	251-134-27-23 ^(N)	48.2
1026	♀ (1 RT, 2 LT. SCARS)	" "	260-132-26-23 ^(N)	53.0

BROOKS ISLAND, 5⁺ FT., CONTRA COSTA CO., CALIF.

MAR. 2

PART SKIN ONLY - ALCOHOL.

1027	♂ ²	<u>HOMO SAPIENS AMERICANUS</u>	NO MEASUREMENTS.	
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SAN FRANCISCO
(MAN SUNG CO., 1116 GRANT AVE), SAN FRANCISCO CO., CALIF.

KILLED MAR 15

COLL. MAR 13, 1958

1028	♀ (NO VISIBLE OVS)	<u>COLUMBA LIVIA</u>	1443.8 gm.	TESTES 4x20 mm.
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STRAWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIF.

MAR. 28

1029	♂ (TES 11x15 CP10+)	<u>THOMOMYS BOTTAE</u>	252-73-30-7 ^(N)	227.0
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MAR. 29

1030	♀ (LACTATING NO SCARS VISIBLE)	<u>PEROMYSCUS TROWBRIDGEI</u>	119-48-13-8 ^(N)	6.1
1031	♂ (TES 4x8 CP10-)	<u>REITHRODONTOMYS MEEBII</u>	148-78-16-13 ^(N)	9.1
1032	♂ (TES 3x7 CP10-)	" "	144-74-16-12 ^(N)	9.6
1033	♀ (NO EMB'S)	<u>PEROMYSCUS TRUEI</u>	205-98-24-21 ^(N)	29.3
1034	♂ (TES 6x10 CP10+)	" "	208-105-23½-21 ^(N)	32.1
1035	♂ (TES 10x12 CP10+)	<u>THOMOMYS BOTTAE</u>	230-73-28-7 ^(N)	144.3
1036	♂ (TES 9x14 CP10+?)	" "	231-72-28-7 ^(N)	169.4

A.C. ZIEGLER
1958

CATANOCH

UNIV. OF CALIFORNIA, BERKELEY, ALAMEDA CO., CALIF.

CAPTIVE ANIMALS KILLED MAR 27

1037	♀ (NO EMB'S)	<u>MUS MUSCULUS</u> (ALBINO)	176-84-19-13 ^(N)	16.1
1038	♀ (NO EMB'S)	" "	(NO MEAS'S)	17.2

4 MI. E HASLAND, 1000 FT., MENDOCINO CO., CALIFORNIA

APR. 10, 1958

WEIGHED + KILLED APR. 15, 1958
COLL. CARL B. RAYOR

1039	♂ (TES 1/2 X 3 EPID?)	<u>KASIAURUS CINEREUS</u>	122-48-9-18 ^(N)	16.4 am.
1040	♂ (TES 1/2 X 3 EPID?)	" "	127-55-9-18 ^(N)	17.4

STRAWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIFORNIA

CAPT'D APR. 11, 1958, KILLED APR. 15, 1958

COLL. DR. S. B. BENSON

1041	♂ (TES 1/2 X 3 EPID?)	<u>NEOTOMA FUSCIPES</u>	455-220-42-32 ^(N)	316.1
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APR. 23, 1958

COLL. BY H.M. BYRNE

1042	♂ (TES 3/4 X 6 EPID?)	<u>Sorex ornatus</u>	95-34-11-8 ^(N)	5.8
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UNIV. OF CALIFORNIA, BERKELEY, ALAMEDA CO., CALIFORNIA

CAPTIVE ANIMALS KILLED APR. 23, 1958

1043	♀ (SAT. OLT SCARS)	<u>MUS MUSCULUS</u> (BLACK)	196-91-18-14 ^(N)	29.8
1044	♂ (TES 4 X 8 EPID?)	" "	185-87-18-14 ^(N)	30.2

1 MI. SE INVERNESS, MARIN CO., CALIFORNIA

COLL. S. B. BENSON
CAPT'D APR. 13, 1958, DIED APR. 16, 1958, PUT IN APR. 23, 1958

1045	♂ (TES 7 X 8 EPID?)	<u>MYOTIS CALIFORNICUS</u>	72-33-5 1/2-11 ^(N)	2.9 am
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NO DATA (PROBABLY FROM CALIFORNIA)

SKELETON ONLY
1046 SET

SCAPANUS LATIMANUS

A.L. ZIEGLER
1958

Carpenter

UNIV. OF CALIFORNIA, BERKELEY, ALAMEDA Co., CALIF.

CAPTIVES - PREPARED APR. 23, 1958

SKULL ONLY

1047 ♀ (NO EMB.)

SKULL ONLY

1048 ♀ (NO EMB.)

ORYZOMYS CUNICULUS (ALBINO) NO MEAS'S OR WT.

"

"

"

"

CAPTIVES - KILLED MAY 7, 1958

1049 ♂ (TESTES 4x7) MUS MUSCULUS (GRAY)

164-78-19-13^(W)

19.6

1050 ♂ (TESTES 5x8) " " "

168-77-18-13^(W)

23.3

SAN FRANCISCO ZOO, SAN FRANCISCO, SAN FRANCISCO Co., CALIFORNIA

COLL. MAY 6, 1958

PREP. MAY 7, 1958

COLL. "SAN FRANCISCO, RESIDENT LABORATORY"

1051 ♀ (NO EMB.) RATTUS RATTUS

260-141-31-21^(W)

36.7

1052 ♂ (TESTES 3x5) " "

248-126-30-20^(W)

38.2

4 MI. E. HARBAND, 1000 FT., MENDOCINO Co., CALIF.

COLL. CARL B. VANDER

COLL. APR. 12, 1958, PREPARED MAY 27, 1958

1053 ♂ (TESTES 1x5) LASIURUS EINEKEUS

139-64-11-17^(W)

18.5 gm.

1054 ♂ (TESTES 1x4) " "

136-55-11-17^(W)

21.2

1055 ♂ (TESTES ?) " "

142-53-11-18^(W)

23.3

COLL. APR. 19, 1958

1056 ♂ (TESTES 1x4) " "

133-50-11-17^(W)

21.2

COLL. APR. 20, 1958

1057 ♀ (NO EMB.) " " VAGUE ENDS OF RT. UTERINE HORN VERY SLIGHTLY ENLARGED

140-53-11-17^(W)

EVISCERATED
20.3

COLL. MAY 19, 1958

1058 ♂ (TESTES 1x5) " "

132-57-11-17^(W)

17.4

UNIV. OF CALIFORNIA, BERKELEY, ALAMEDA Co., CALIF.

CAPTIVE - PREP'D ^{JUNE} 9, 1958

1059 ♀ (NO EMB.) MUS MUSCULUS (BROWN)

181-86-18-13^(W)

21.4

A. C. ZIEGLER
1958

CATALOG

STRAWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIF.

JUNE 10

1060	♂ (TEST 1 1/2 EPID.?)	<u>SOREX ORNATUS</u>	94-36-12-7 ^(N)	3.3
1061	♂ (TEST 1 1/2 EPID.?)	" "	96-36-11-7 ^(N)	3.3

1 MI. W BOLINAS P.O., 120 ± FT., MARIN CO., CALIF.

JUNE 15

PART SIDE ONLY
- PICKUP

1062	SEX ?	<u>SCAPHIUS LATIMANUS</u>	(PICKUP BY WM HAMILTON III) (NO MEAS'S OR WT.)
1063		<u>HYLA REGILLA</u>	
1064		" "	

1 MI. E BOLINAS P.O., 5 ± FT., MARIN CO., CALIF.

JUNE 18

COLL. WM HAMILTON, III.

1065	♀	<u>THAMNORHIS</u>	SNOUT-VENT 56.4 mm.
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1 MI. W BOLINAS P.O., 120 ± FT., MARIN CO., CALIF.

JUNE 20

1066		
1066		<u>HYLA REGILLA</u>

JUNE 21

1067	1 LOT AMPHIB. <u>TROPODUS</u>	(20 ±)
1068	<u>GERRHOVITUS</u>	

JUNE 22

1069	♀ (NO EMB)	<u>NEUROTRICHUS</u>	122-43-16-0	14.7
1070	♂ (TEST 1 1/2 EPID.?)	<u>SOREX TROWBRIDGEI</u>	121-51-14-9 ^(N)	7.4
1071	♂ (TEST 1 1/2 EPID.?)	" "	119-55-14-9 ^(N)	6.6
1072	♂ (TEST 2 3/4 EPID.?)	" "	121-51-14-9 ^(N)	6.4
1073	♀ (NO EMB'S OR SCARS LACERTIFORM?)	" "	129-54-14 1/2-9 ^(N)	7.8
1074	♂ (TEST 7/8 EPID.?)	<u>ROMANUS BOTTAJE</u>	239-73-29-8 ^(N)	182.0

A.C. ZIEGLER
1958

CAITHROE

1 mi. W Bolinas P.O., 120[±] ft., Marin Co., California

JUNE 22 (CONT)

1075	♂ (TES 5x8 CAIO.+) <u>MICROTUS CALIFORNICUS</u>	187-56-21-15 ^(N)	65.8
1076	♀ (NO EMB'S) " "	153-43-20-14 ^(N)	30.3
1077	<u>HYLA REBILHA</u>		

JUNE 23

1078	♀ (NO EMB'S) <u>Sorex MOWBRIDGEI</u>	120-50-14-9 ^(N)	6.3
1079	♀ (NO EMB'S) <u>NEOTOMA FUSCIPES</u>	340-170-40-2 ^(N)	142.6

JUNE 24

ALCOHOLIC		SKULL BROKEN	
1080	♂ (TES 2x3 CAIO.?) <u>NEUROTRICHUS GIBBSI</u>	115-39-17-0	13.2
1081	♂ (TES 2x3 CAIO.?) " "	122-43-17-0	14.2
1082	♀ (NO EMB'S) " "	112-38-16-0	12.8
1083	♂ (TES 2x3 CAIO.?) <u>SCARPANUS LATIMANUS</u>	175-40-21-0	78.0
1084	♀ (3 RT. 2 LT. SCARS LATIMANUS) <u>NEOTOMA FUSCIPES</u>	402-207-42-28 ^(N)	241.2
1085	♂ (TES 1x2 CAIO.?) <u>Sorex MOWBRIDGEI</u>	109-53-15-9 ^(N)	4.4

JUNE 25

ALCOHOLIC		SKULL BROKEN	
1086	♂ (TES 1x2 mm CAIO.?) <u>Sorex MOWBRIDGEI</u>	122-54-5-9 ^(N)	4.4
1087	♂ (TES 1x2 mm CAIO.?) " "	116-53-14-10 ^(N)	7.2
1088	♂ (TES 1x2 mm CAIO.?) <u>NEUROTRICHUS GIBBSI</u>	115-39-17-0	13.6
1089	♀ (NO EMB'S) " "	121-41-17-0	13.3
1090	♂ (TES 5x8 CAIO.+) <u>MICROTUS CALIFORNICUS</u>	166-50-20-14 ^(N)	43.4

JUNE 26

1091	♂ (TES 2x3 CAIO.?) <u>NEUROTRICHUS GIBBSI</u>	118-38-16-0	14.4
1092	♂ (TES 1x2 CAIO.?) <u>NEOTOMA FUSCIPES</u>	344-175-42-2 ^(N)	154.8
1093	<u>BATRACHOSAPS ATTENUATUS</u>	COLL. W ^M HAMILTON, III	
1094	" "		
1095	" "		
1096	<u>HYLA REBILHA</u>		



A.C. ZIEGLER
1958

CATALOG

1 MI. W BOLINAS P.O., 120[±] FT., MARIN CO., CALIFORNIA

JUNE 27

O.D.R. QUAY 1907-2004 U. CALIF.	ALCONOMIC	♀ (NO EMB'S LACTATING)	<u>NEOTOMA FUSCIAES</u>	SKULL BROKEN 425-220-40-29 ^(N)	295.4
	1098	♂ (TES 1X2 CAIO?)	<u>NEUROTRICHUS GIBBSI</u>	123-42-17-0	13.1
	1099	♂ (TES 1X1mm CAIO?)	" "	122-40-17-0	13.4
	1100	♂?	" "	120-41-17-0	13.1
	1101	♀ (4 EMB'S SCARS)	<u>MICROTUS CALIFORNICUS</u>	171-51-21-15 ^(N)	44.2
	1102		<u>THAMNORHIS</u>	S.V. 335mm	
	1103		<u>HYLA REEHNIA</u>		

JUNE 29

1104	♂ (TES 1X1/2 CAIO?)	<u>Sorex MOWBRIDGEI</u>	118-55-14-9 ^(N)	6.0
1105	♀ (NO EMB'S LACTATING)	" "	117-50-14-9 ^(N)	7.8

1 MI. N JENNER P.O., 150[±] FT., SONOMA CO., CALIF.

JUNE 29 (CONT'D)

COLL'S WITH WM HAMILTON III

1106	♂ (TES 3X4 CAIO.-)	<u>PHENACONYS LONGICAUDUS</u>	177-71-18-12 ^(N)	23.3
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1 MI. W BOLINAS P.O., 120[±] FT., MARIN CO., CALIFORNIA

JUNE 30

1107	♂ (TES 3X6 CAIO.-)	<u>MICROTUS CALIFORNICUS</u>	156-48-22-15 ^(N)	36.9
1108	♂ (TES 3X3 CAIO.-)	" "	141-41-21-14 ^(N)	26.6

JULY 1

1109	♂ (TES 3X8 CAIO. +)	<u>MICROTUS CALIFORNICUS</u>	182-56-21-15 ^(N)	57.0
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JULY 3

1110	♀ (NO EMB'S)	<u>NEUROTRICHUS GIBBSI</u>	122-40-16-0	13.6
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JULY 4

1111	♂ (TES 1X2 CAIO.-)	<u>REITHRODONTOMYS MERRIOTTI</u>	105-54-14-10 ^(N)	4.4
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A.C. ZIEGLER²
1958

Castano

1 MI. W BOLINAS P.O., 120⁺ FT., MARIN CO., CALIFORNIA

JULY 5

1112	♂ (TES 1.5 x 2.0 -)	<u>NEOTOMICUS GIBBSI</u>	119 - 39 - 17 - 0	13.4
1113	♀ (NO EMB'S)	<u>MICROTUS CALIFORNICUS</u>	184 - 50 - 21 - 14 ^(N)	53.0
1114	♀ (NO EMB'S)	" "	142 - 43 - 20 - 13 ^(N)	23.8

JULY 6

1115	♀ (NO EMB'S)	<u>MICROTUS CALIFORNICUS</u>	148 - 46 - 21 - 14 ^(N)	28.8
1116		<u>HYLA REGILLA</u>		

2 MI. W, 4 MI. N BOLINAS P.O., 400⁺ FT., MARIN CO., CALIFORNIA

JULY 6 (CONT'D)

skull only - pickup	SEX	<u>UROSAURUS CINEREOARGENTUS</u>	DISPOSED JULY 20, 1958	NO MEAS'S OR WT.
1117	?			
skull only - pickup	♀?	<u>UROSAURUS CINEREOARGENTUS</u>		NO MEAS'S OR WT.
1118				
skull + baculum only - pickup	♂	" "		"
1119				
skull + baculum only - pickup	♂	" "	DISPOSED JULY 20, 1958	"
1120				
skull only - pickup	SEX	<u>TAXIDEA TAXUS</u>	DISPOSED JULY 30, 1958	"
1121				
skull only - pickup	SEX	<u>LYNX RUFUS</u>		NO MEAS'S OR WT.
1122				
skull only - pickup	SEX	" "	DISPOSED JULY 20, 1958	"
1123				
skull only - pickup	SEX	" "	DISPOSED JULY 20, 1958	"
1124				
skull only - pickup	SEX	" "	DISPOSED JULY 20, 1958	"
1125				
skull only - pickup	♀?	" "	DISPOSED JULY 20, 1958	"
1126				

1 MI. W BOLINAS P.O., 120⁺ FT., MARIN CO., CALIFORNIA

JULY 7

1127	♂ (TES 1.5 x 2.0 -)	<u>MICROTUS CALIFORNICUS</u>	156 - 50 - 20 - 15 ^(N)	28.0
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JULY 8

1128	♂ (TES 1.5 x 2.0 -)	<u>SARCA TROWBRIIDGEI</u>	113 - 50 - 14 - 10 ^(N)	5.8
1129	♂ (TES 1.5 x 2.0 -)	" "	TAIL BROKEN 118 - 55 - 15 - 10 ^(N)	5.6

A.C. ZIEGLER
1958

Catalog

1 MI. W BOWMAN P.O., 120[±] FT., MARIN CO., CALIFORNIA

JULY 8 (CONT'D)

1130 ♂ (TESTES 4x6 CA10+) MICROTUS CALIFORNICUS 168-48-21-15^(N) 41.4

JULY 9

TO: DR. GARY
DEPT. ZOOL.
UNIV. CALIF.
ALCONHOLIC
1131 ♀ (NO EMB'S) NEOTOMA FUSCIPES SKULL BROKEN 370-190-43-38^(N) 195.4
1132 ♀ (NO EMB'S) " " 273-130-37-25^(N) 89.6
1133 ♂ (TESTES 11x10mm CA10?) Sorex TROWBRIDGEI 110-49-14-8^(N) 5.9

JULY 12

1134 ♂ (TESTES 4x6 CA10-) MICROTUS CALIFORNICUS 156-44-21-13^(N) 35.0

JULY 13

1135 ♀ (NO EMB'S) NEUROTRICHUS GIBBSI 112-40-17-0 13.6
1136 ♂ (TESTES 4x8 CA10-) NEOTOMA FUSCIPES 375-187-42-27^(N) 218.3

JULY 14

1137 ♂ (TESTES 2x3mm CA10-) MICROTUS CALIFORNICUS 156-46-22-15^(N) 34.8

JULY 16

ALCONHOLIC
1138 ♂ (TESTES 13x7 CA10?) NEUROTRICHUS GIBBSI SKULL BROKEN 124-41-16-0 14.5
1139 ♀ (NO EMB'S) " " 113-41-17-0 13.3
1140 ♀ (NO EMB'S) " " 112-38-17-0 14.2

JULY 17

1141 ♀ (NO EMB'S) NEUROTRICHUS GIBBSI 120-39-17-0 13.5
1142 ♀ (NO EMB'S) SCARPANUS LATIMANUS 177-37-21-0 84.6

JULY 18

1143 ♀ (NO EMB'S) NEUROTRICHUS GIBBSI 120-39-16-0 13.1

JULY 19

1144 ♂ (TESTES 3x5 CA10?) Sorex TROWBRIDGEI 114-49-14-9^(N) 6.7
1145 ♂ (TESTES 11x20 CA10+) NEOTOMA FUSCIPES 435-200-42-31^(N) 403.0



A.C. ZIEGLER
1958

CATALOG

BOLINAS, (ISLAND, 475^{ft} N COAST GUANO STR., EDGE SALICORNIA MARSH), 5^{ft} FT., MARIN CO., CALIF.

~~JULY 20~~

(REC'D) JULY 20 ~~coll.~~ coll. Geo. F. FISLER.

1146

PEROMYSCUS

coll'd JULY 17, 1958

1147

THAMNOPHIS (ELEPHANT?)

coll'd JULY 19, 1958
SNOUT-VENT. 570

1 MI. W BOLINAS P.O., 120[±] FT., MARIN CO., CALIFORNIA

JULY 23

1148 ♂ (TES 2x1 1/2, CP10+) NEOTOMICHUS GIBBSI

117 - 42 - 17 - 0 13.7

1149 ♂ (TES 5x10, CP10+) CEITHRODONTOMYS MEGALOTIS

155 - 79 - 17 - 13^(N) 11.5

1150 ♀ (NO EMB'S) NEOTOMA FUSCIPES

326 - 167 - 38 - 27^(N) 156.9

1151 ♂ (TES 4x7, CP10-)

342 - 173 - 38 - 27^(N) 171.7

JULY 24

1152 ♀ (1 RT 3 RT. SCARS LACTATING) NEOTOMA FUSCIPES

440 - 215 - 40 - 30^(N) 300.0

1153 ♀ (NO EMB'S)

392 - 195 - 41 - 28^(N) 211.5

1154

HYLA REGILLA

coll. WM HAMILTON, III.

PANOCHE CREEK, 550[±] FT., FRESNO CO., CALIFORNIA.

PUT UP
AUG. 19

collected JAN 29, 1958 BY VIC LEWIN.

1155 ♀ (1 RT, 1 LT. FRESH SCARS) DIPLOMYS NINEBOROUGH

247 - 150 - 35 - 12^(N) 41.1

1156 ♂ (TES 6x11, CP10+)

260 - 153 - 34 - 13^(N) 47.3

1157 ♀ (2 RT, 2 LT. SCARS) DIPLOMYS HERRMANNI

287 - 168 - 41 - 15^(N) 72.2

PUT UP
AUG. 19

collected JAN 30, 1958 BY VIC LEWIN

1158 ♂ (TES 2x10, CP10-)

434 - 164 - 58 - 22^(N) 764.8

MOUNTAIN VIEW MINE, T.2S, R.24E, RIVERSIDE CO., CALIFORNIA

PUT UP
AUG. 20

coll'd JULY 18, 1958 BY CHAS. THORNTON

1159 ♂ (TES 2x10, CP10-)

96 - 40 - 9 - 14^(N)

7.4

1160 ♀ (NO EMB'S LACTATING) MACROTUS CALIFORNICUS

91 - 35 - 13 - 34^(N)

11.6

A.C. ZIEGLER
1958

CATALOG

MOUNTAINEER MINE, T12S, R.24E, RIVERSIDE CO., CALIFORNIA

PUT UP
AUG. 30 (CONT'S) COLLECTED JULY 18, 1958 BY C.S. THRELLER

- 1161 ♀ (NO EMB'S) MAEROTUS CANADENSIS 96-41-13-32^(N) 11.6
1162 ♀ (NO EMB'S) " " 96-38-13-32^(N) 10.8

Berkeley, Alameda Co., California

PICKED UP 1958 IN YARD IN TOWN.
PART RT. MANDIBLE ONLY
1163 SET SUS SCROFA NO MEAS'S OR WT.

STRAWBERRY CANYON, 850⁺ FT., BERKELEY, ALAMEDA CO., CALIF.

AUG. 30

- 1164 ♀ (2 RT. ILT. FRESH SCARS) PEROMYSCUS TRUEI 209-106-24-19^(N) 31.8

4 1/2 MI. N, 3 MI. W KANE SPRINGS, IMPERIAL CO., CALIF.

SEPT. 9

- 1165 ♂ (FES 3X5 EPID.) GEOGNATHUS LONGIMEMBRIS 121-67-17-6^(N) 5.3
1166 ♀ (NO EMB'S) " " 138-79-17-- 7.3

4 MI. N, 3 1/2 MI. W TRUCKHAUGH, 21 MI. NW KANE SPRINGS, IMPERIAL CO., CALIF.

SEPT. 9

- 1167 ♂ (FES 1X2 EPID.) PEROMYSCUS CRINITUS 168-91-18-19^(N) 9.5

4 MI. N, 4 1/2 MI. W TRUCKHAUGH, 21 MI. NW KANE SPRINGS, IMPERIAL CO., CALIF.

SEPT. 8

- 1168 ♀ (NO EMB'S) GEOGNATHUS FORMOSUS 162-95-22-11^(N) 11.9
1169 ♂ (FES 1X2 EPID.-) " " 168-93-22-11^(N) 14.0
1170 ♂ " " 189-113-22-11^(N) 12.1
1171 ♀ (NO EMB) " " 172-93-22-10^(N) 12.8



A.C. ZIEGLER
1958

CARRIZO
MOUNTAIN
FOOT 4250 ft. elevation

21
4 mi. N, 4 1/2 mi. W TRUCK HAVEN, 3 mi. NW LAKE
SPRINGS, + IMPERIAL CO., CALIFORNIA.

1172 ♀ (NO EMB) PEROGNATHUS FORMOSUS 188 - 106 - 21 - 11^(N) 12.2
SGAT 8 DIGO OCT. 7, 1959
1173 COLEONYX VARIATUS
1174 ♀ (RT. 2 LT. SCARS) PEROMYSCUS CRINITUS . 169 - 88 - 16 - 17^(N) 10.7
SGAT 9. coll Wm Z. LIOCKER

3 1/4 mi. S, 2 1/4 mi. E SCISSORS CROSSING, EMERYVILLE VALLEY, SAN DIEGO CO., CALIF.

SGAT 10

1175 ♂ (TES 1x3mm GP10) PEROGNATHUS HOMOMEBRIS 137 - 72 - 12 - 7^(N) 9.2
1176 ♂ (TES 2x3 GP10) " " 137 - 75 - 19 - 7^(N) 8.6
1177 ♀ (NO EMB) PEROGNATHUS FANLAX 179 - 101 - 22 - 9^(N) 16.4
1178 ♂ (TES 2x4mm GP10) " " 196 - 107 - 24 - 9^(N) 19.5
1179 ♀ (NO EMB) " " 178 - 104 - 23 - 10^(N) 16.8
1180 ♀ (NO EMB) PEROMYSCUS MESERIANI 246 - 148 - 37 - 13^(N) 39.6
1181 ♀ (NO EMB) " " 246 - 150 - 37 - 14^(N) 38.0
1182 ♀ (RT. 1 LT. SCARS) " " 254 - 152 - 38 - 13^(N) 43.3
1183 ♂ (TES 2x4 GP10) " " 256 - 152 - 38 - 14^(N) 41.4
1184 ♂ (") " " 253 - 156 - 36 - 12 1/2^(N) 38.7
1185 ♀ (RT. 2 LT. SCARS) " " 241 - 144 - 36 - 12^(N) 37.1
1186 ♂ (TES 2x5 GP10) " " 247 - 148 - 37 - 13^(N) 38.5
1187 ♂ (TES 2x5 GP10) " " 243 - 147 - 35 - 13^(N) 35.9
1188 ♂ (TES 2x12 GP10.4) " " 248 - 144 - 38 - 14^(N) 46.5
1189 ♂ (TES 2x9mm GP10) " " 264 - 156 - 38 - 14^(N) 45.9
1190 ♂ (TES 3x8 GP10) ONYCHOMYS TORRIDUS 145 - 47 - 21 - 17^(N) 22.3
1191 ♂ (") " " BACK BROKEN 153 - 52 - 21 - 18^(N) 20.4
1192 ♀ (NO EMB) " " 145 - 53 - 21 - 16^(N) 17.0
1193 ♀ (") " " 142 - 53 - 20 - 17^(N) 17.1
1194 ♀ (") " " 151 - 52 - 21 - 18^(N) 19.7

A.C. ZIEGLER
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CANADIAN

2 $\frac{3}{4}$ MI. S, 2 $\frac{1}{2}$ MI. E SCISSORS CROSSING, EMERYVALE VALLEY, SAN DIEGO CO., CALIF.

SEPT. 10

1195	♂ (TES 5x7)	THOMOMYS	BOYDII?	197-61-28-6 ^(W)	88.8
1196	♀ (NO EMB'S)	"	"	195-62-24-6 ^(W)	82.3

SCISSORS CROSSING, EMERYVALE VALLEY, SAN DIEGO CO., CALIF.

SEPT. 10

1197	♀ (NO EMB'S)	DIPODOMYS	BOYDII	307-196-43-18 ^(W)	58.0
1198	♂ (TES 5x6)	ONYCHOMYS	TORREIUS	145-52-19-16 ^(W)	20.5
1199	♂ (TES 5x6)	PEROGNATHUS	LONGIMEMBRIS	136-73-19-6 ^(W)	7.5

GLENCREE CAMPGROUND, 2 $\frac{1}{4}$ MI. N BUCKMAN SPRINGS, SAN DIEGO CO., CALIF.

SEPT. 11

1200	♂ (TES 5x3)	PEROMYSCUS	BOYLEI?	188-96-21-18 ^(W)	27.3
1201	♂ (TES 5x3)	"	"	180-98-23-18 ^(W)	19.5
1202	♀ (ZET. 1LT. 8mm EMB'S)	"	"	194-101-21-18 ^(W)	26.1

SEND THING VALLEY, 4625[±] FT, SAN DIEGO CO., CALIFORNIA

SEPT. 11

1203 HYLA

1204 UTA

1205 "

1206 ♂ (TES 5x3) SCOTOPHIS

IRIS DARK BROWN 46.0mm

SEPT. 12

1207	♀ (ZET. 1LT. 35mm EMB'S)	DIPODOMYS	BOYDII	272-165-42-15 ^(W)	62.4
1208	♀ (NO EMB'S)	"	"	260-158-42-16 ^(W)	43.0
1209	♀ (NO EMB'S)	"	"	262-158-43-15 ^(W)	40.4
1210	♂ (TES 5x4)	THOMOMYS	BOYDII	195-58-25-7 ^(W)	19.0

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1958

CATALOG

SENO THING VALLEY, 4625[±] FT., SAN DIEGO CO., CALIFORNIA

SEPT. 12 (CONT.)

1211	♀ (2 RT, 2 LT, 2 mm emb's)	<u>Microtus</u>	159 - 45 - 20 - 16 ^(N)	47.1
1212	♂ (TES 6x10, 6x10+)	<u>Peromyscus maniculatus</u>	170 - 77 - 21 - 20 ^(N)	25.3
1213	♂ (TES 6x10+)	"	157 - 72 - 20 - 17 ^(N)	19.6
1214	♂ (TES 7x10, 6x10+)	"	150 - 65 - 20 - 20 ^(N)	23.8
1215	♂ (TES 6x10, 6x10+)	"	146 - 62 - 19 - 17 ^(N)	20.7

3 1/4 MI. N. MONZANITA, 3600[±] FT., MCCAIN VALLEY, SAN DIEGO CO., CALIF.

SEPT. 12.

1216	♂ (TESTES? SCROTUM ENLARGED)	<u>Myotis subulatus?</u>	— - 32 - 6 - 14 ^(N)	BACKBONE & GUTS SHOT AWAY NO WT.
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SEPT. 13

1217	♀ (NO EMB'S)	<u>Thomomys bottae?</u>	196 - 66 - 24 - 6 ^(N)	78.6
1218	♀ (NO EMB'S)	<u>Dipodomys agilis</u>	292 - 180 - 42 - 17 ^(N)	60.0
1219	♀ (PAT. 1 LT, 1 SCROTUM)	"	290 - 177 - 44 - 17 ^(N)	58.0
1220	♀ (2 RT, 1 LT, 10 mm emb's)	"	287 - 175 - 43 - 17 ^(N)	61.6
1221	♀ (NO EMB'S)	<u>Perognathus longimembris</u>	132 - 71 - 18 - 6 ^(N)	7.3
1222	♂ (TES 5x10, 6x10+)	<u>Peromyscus californicus?</u>	220 - 117 - 25 - 24 ^(N)	32.5
1223	♀ (NO EMB'S)	<u>Onychomys torquios</u>	143 - 52 - 21 - 18 ^(N)	20.8
1224	♂ (TES 7x10, 6x10+)	<u>Peromyscus maniculatus</u>	162 - 74 - 21 - 19 ^(N)	25.5
1225	♂ (TES 6x10, 6x10+)	"	158 - 77 - 19 - 18 1/2 ^(N)	18.8

1 1/4 MI. N, 1/3 MI. E AGUANGA, 2300[±] FT., RIVERSIDE CO., CALIF.

SEPT. 14

1226		<u>Lichanura roseofusca</u>	SNOUT-VENT 850 mm.	
1227	♂ (TES 2x3, 6x10)	<u>Perognathus fallax</u>	210 - 118 - 24 - 10 ^(N)	26.1
1228	♂ (")	"	210 - 120 - 25 - 9 ^(N)	21.6
1229	♀ (NO EMB'S)	"	211 - 120 - 25 - 10 ^(N)	24.6

A.L. ZIEGLER
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CATALOG

1/4 mi. N, 1/3 mi. E AQUANA, 2300[±] FT., RIVERSIDE CO., CALIF.

SEPT. 14 (cont.)

1230 ♂	(^{TES} _{3x6} EPI0.-)	<u>Peromyscus eremicus</u>	176 - 97 - 21 - 19 ^(N)	16.2
1231 ♂	(^{TES} _{3x5} EPI0.-)	<u>Peromyscus maniculatus</u>	146 - 71 - 19 ^{1/2} - 15 ^(N)	12.1
1232 ♂	(^{TES} _{2x4} EPI0.-)	<u>Onychomys taylori</u>	137 - 50 - 21 - 16 ^(N)	19.4
1233 ♂	(^{TES} _{2x3m} EPI0.-)	<u>Perognathus parvus</u>	203 - 112 - 26 - 9 ^(N)	26.0
1234 ♀	(NO EMB)	"	205 - 114 - 24 - 9 ^(N)	23.0
1235 ♀	(")	"	203 - 111 - 24 ^{1/2} - 9 ^{1/2} ^(N)	24.9
1236 ♂	(^{TES} _{2x4} EPI0.-)	"	212 - 118 - 25 - 9 ^(N)	27.6
1237 ♂	(^{TES} _{2x4} EPI0.-)	"	210 - 118 - 24 - 9 ^(N)	24.3
1238 ♀	(NO EMB)	"	201 - 110 - 24 ^{1/2} - 9 ^(N)	23.0
1239 ♂	(^{TES} _{2x4} EPI0.-)	"	211 - 116 - 24 - 9 ^(N)	24.0
1240 ♂	(^{TES} _{1x3} EPI0.-)	"	198 - 110 - 24 - 9 ^(N)	20.0
1241 ♂	(^{TES} _{2x3} EPI0.-)	"	213 - 115 - 24 - 9 ^{1/2} ^(N)	30.5
1242 ♂	(")	"	218 - 119 - 25 - 10 ^(N)	30.0
1243 ♂	(^{TES} _{2x4} EPI0.-)	"	205 - 112 - 24 - 10 ^(N)	27.0
1244 ♂	(^{TES} _{2x3} EPI0.-)	"	197 - 108 - 24 - 9 ^(N)	23.2
1245 ♂	(")	"	205 - 114 - 24 - 9 ^(N)	23.0
1246 ♀	(NO EMB)	"	204 - 116 - 25 - 9 ^(N)	22.3
1247 ♀	(")	"	196 - 107 - 24 - 9 ^(N)	21.5
1248 ♂	(^{TES} _{2x3} EPI0.-)	"	212 - 119 - 24 - 9 ^(N)	24.0
1249 ♂	(")	"	194 - 103 - 25 - 10 ^(N)	22.7
1250 ♂	(")	"	197 - 104 - 23 ^{1/2} - 10 ^(N)	22.9
1251 ♂	(")	"	202 - 110 - 25 - 9 ^(N)	21.7
1252 ♂	(^{TES} _{2x3} EPI0.-)	"	203 - 111 - 26 - 10 ^(N)	29.1
1253 ♂	(^{TES} _{2x4} EPI0.-)	"	211 - 117 - 25 - 9 ^(N)	22.7
1254 ♂	(")	"	201 - 111 - 24 - 9 ^(N)	23.5
1256 ♂	(^{TES} _{2x5} EPI0.-)	"	217 - 116 - 25 - 9 ^(N)	30.7



A. C. ZIEGLER
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CATALOG

1 1/4 MI. N, 1/3 MI. E ARVANGA, 2300 ± FT., RIVERSIDE CO., CALIF.

SEPT. 14. CONT'D

1257 ♂ (TES 2x4, 2x0-)	<u>PEROGNATHUS</u>	<u>FALLAX</u>	207 - 114 - 23 - 9 ^(N)	25.2
1258 ♂ (")	"	"	210 - 116 - 24 - 10 ^(N)	29.8
1259 ♂ (")	"	"	216 - 116 - 24 - 10 ^(N)	26.0
1260 ♂ (")	"	"	213 - 116 - 25 - 9 ^(N)	25.2
1261 ♀ (SEX COEXISTENT, NO EMB'S)	<u>NEOTOMA</u>		325 - 155 - 33 - 30 ^(N)	170.5
1262 ♀ (NO EMB'S)	"		300 - 156 - 32 - 32 ^(N)	122.4

1/4 MI. ENE ARVANGA, 2050 ± FT., RIVERSIDE CO., CALIF.

SEPT. 14

1263	<u>PEROGNATHUS LONGIMEMBRIS</u>		131 - 72 - 18 1/2 - 7 ^(N)	8.2
1264 ♀ (NO EMB'S)	<u>ONYCHOMYS</u>	<u>TAGEIUS</u>	136 - 48 - 20 - 17 ^(N)	20.0
1265 ♂ (TES 2x3, 2x0-)	<u>PEROGNATHUS</u>	<u>FALLAX</u>	202 - 111 - 24 - 9 ^(N)	25.5
1266 ♂ (")	"	"	205 - 116 - 24 - 9 1/2 ^(N)	22.0
1267 ♀ (NO EMB'S)	"	"	206 - 117 - 25 - 9 ^(N)	21.6
1268 ♂ (TES 2x3, 2x0-)	"	"	203 - 111 - 24 - 9 ^(N)	23.1
1269 ♀ (NO EMB'S)	"	"	203 - 112 - 24 1/2 - 9 ^(N)	20.8
1270 ♀ (")	"	"	200 - 107 - 25 - 10 ^(N)	23.9
1271 ♂ (TES 2x3, 2x0-)	"	"	201 - 108 - 24 - 10 ^(N)	23.0
1272 ♀ (NO EMB'S)	"	"	200 - 107 - 24 - 9 ^(N)	20.0
1273 ♀ (NO EMB'S)	<u>PEROGNATHUS</u>	<u>CALIFORNICUS?</u>	197 - 111 - 26 1/2 - 10 1/2 ^(N)	16.3
1274 ♀ (NO EMB'S)	<u>PEROGNATHUS</u>	<u>FALLAX</u>	198 - 109 - 25 - 9 ^(N)	21.2
1275 ♂ (TES 2x4, 2x0-)	"	"	218 - 121 - 25 1/2 - 9 ^(N)	27.6
1276 ♀ (NO EMB'S)	"	"	200 - 114 - 23 - 9 ^(N)	20.0
1277 ♀ (")	"	"	190 - 110 - 22 - 9 ^(N)	19.3
1278 ♂ (TES 2x3, 2x0-)	"	"	195 - 108 - 24 - 9 ^(N)	21.5
1279 ♀ (NO EMB'S)	"	"	198 - 109 - 24 - 9 ^(N)	21.2



Al. Zieglar
1958

Canyon

1/4 MI. ENE AVALANCH, 2050[±] FT., RIVERSIDE CO., CALIFORNIA

SEPT. 14 (CONT'D)

1280 ♀ (NO EMB'S)	<u>PEROGNATHUS PARVUS</u>	194 - 107 - 23 - 10 ^(W)	21.8
1281 ♀ (")	" "	203 - 115 - 24 - 9 ^(W)	21.0
1282 ♂ (TES 2x3 EPI.O. -)	" "	218 - 116 - 25 - 10 ^(W)	21.1
1283 ♀ (NO EMB'S)	" "	216 - 123 - 24 - 9 ^(W)	29.4
1284 ♀ (")	" "	214 - 124 - 25 - 10 ^(W)	26.5
1285 ♀ (")	" "	200 - 110 - 24 - 9 ^(W)	21.2
1286 ♂ (TES 2x3 EPI.O. -)	" "	202 121 - 25 - 9 ^(W)	23.1
1287 ♂ (TES 3x5 EPI.O. -)	<u>LEITHRODONTOMYS MERIOTIS</u>	144 - 76 - 17 - 13 ^{1/2} (W)	8.5
1288 ♀ (NO EMB'S)	<u>ONYCHOMYS TORRIDUS</u>	134 - 50 - 79 - 16 ^(W)	16.9
1289 ♀ (")	<u>PEROMYSCUS CRIMICUS</u>	194 - 103 - 20 - 17 ^(W)	19.1
1290 ♂ (TES 5x6mm EPI.O. -)	" "	190 - 106 - 20 - 18 ^(W)	18.4
1291 ♀ (NO EMB'S)	" "	181 - 100 - 20 - 19 ^(W)	17.1
1292 ♂ (TES 2x4 EPI.O. -)	" "	186 - 100 - 20 ^{1/2} - 19 ^(W)	16.8
1293 ♀ (NO EMB'S)	" "	194 - 103 - 20 - 20 ^(W)	19.4
1294 ♀ (")	" "	194 - 111 - 21 - 19 ^(W)	19.3
1295 ♂ (TES 2x4 EPI.O. -)	" "	195 - 104 - 20 - 18 ^(W)	16.6
1296 ♂ (TES 5x9 EPI.O. -)	" "	176 - 96 - 18 - 17 ^(W)	14.6
1297 ♀ (NO EMB'S)	<u>PEROMYSCUS MANICULATUS</u>	153 - 71 - 20 - 17 ^(W)	14.6
1298 ♂ (TES 5x9 EPI.O. +)	" "	168 - 78 - 21 - 16 ^(W)	19.4
1299 ♂ (TES 5x8 EPI.O. +)	" "	153 - 68 - 20 - 16 ^(W)	16.5

1 MI. SE AVALANCH, 2150[±] FT., RIVERSIDE CO., CALIFORNIA

SEPT. 14

1300 ♀ (NO EMB'S)	<u>PEROGNATHUS LONGIMEMBRIS</u>	125 - 67 - 17 - 6 ^(W)	5.9
1301 ♂ (TES 1x2 EPI.O. -)	" "	<u>119 - 60</u> - 17 ^{1/2} - 6 ^(W)	7.0
1302 ♂ (")	" "	133 - 77 - 18 - 7 ^(W)	8.4

A.C. ZIEGLER
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CATALOG

1 MI. SE AQUANA, 2150[±] FT., RIVERSIDE CO. CALIFORNIA

SEPT 14 (CONT'D)

1303	♂	(^{TES} _{3x6} EAD.-)	<u>PEROMYSCUS</u> <u>CRINICUS</u>	187-101-20-18 ^(N)	17.7
1304	♀	(^{NO} EMB'S)	" "	183-102-20-17 ^(N)	14.7
1305	♂	(^{TES} _{1x3mm} EAD.-)	" "	184-99-20-18 ^(N)	14.6
1306	♀	(^{NO} EMB'S)	" "	181-96-20-17 ^(N)	14.2
1307	♀	(["])	<u>PEROMYSCUS</u> <u>MANICULATUS</u>	165-72-20½-17 ^(N)	18.1
1308	♂	(^{TES} _{5x10} EAD.+)	" "	155-70-20-16 ^(N)	17.9
1309	♂	(^{TES} _{2x4} EAD.-)	<u>PEROGNATHUS</u> <u>FALHAT</u>	200-113-24-9 ^(N)	18.0
1310	♂	(["])	" "	187-100-24-9 ^(N)	18.6
1311	♂	(["])	" "	199-111-24-9 ^(N)	17.4
1312	♂	(["])	" "	198-113-24½-9 ^(N)	18.5
1313	♀	(^{NO} EMB'S)	" "	200-107-25-10 ^(N)	24.5
1314	♀	(["])	" "	200-110-24-9 ^(N)	21.1
1315	♂	(^{TES} _{2x4} EAD.-)	" "	199-113-24-9 ^(N)	19.5
1316	♂	(["])	" "	195-107-24-8½ ^(N)	17.6
1317	♀	(^{NO} EMB'S)	" "	199-111-23-9 ^(N)	19.1

½ MI. NE AQUANA, 2100[±] FT., RIVERSIDE CO., CALIF.

SEPT. 14

1318	♂	(^{TES} _{13x27mm} EAD.-)	<u>SYLVILABUS</u> <u>AUDUBONI</u>	350-40-90-25 ^(N)	92.0
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2 MI. N ST. MARYS COLLEGE, CONTRA COSTA CO., CALIF.

OCT. 1

1319	♂	(^{TES} _{1x1} EAD.?)	<u>Sorex</u> <u>ORNATUS</u>
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BROT. IN BY CAT. GIFT OF TOM CROOK
101-39-11-8^(N) 4.2

SHELL BEACH, 30[±] FT., SONOMA CO., CALIFORNIA

SKULL ONLY

1320	♂	(^{TES} _{1x1} EAD.?)	<u>Sorex</u> <u>VAGRANS</u>
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PREP'D OCT. 7

FOUND DEAD OCT. 5, 1958 BY HAMILTON
109-45-13-7^(N) 3.7

TO: ZOOLOG.
DEPT. CALIF.
UNIV. CALIF.

A.C. ZIEGLER
1958

CATALOG

"SAN FRANCISCO BAY AREA," CALIFORNIA

RECEIVED FROM DR. USINGER OR ENT. DEPT. ABOUT
KILLED OCT. 17, COLL. BY (?) ABOUT SEPT. 17, 1958, DIED OCT. 15, 1958
TAIL PRICE IN CURVED POSITION.

1321 ♀ (NO EMB'S) LABINUS CINCEUS

130[±] - 60[±] - 10 - 17^(N) 15.2cm

ALAMCOA (LAWN AT SHERMAN ST.), ALAMCOA CO., CALIFORNIA.

KILLED OCT. 27. COLL. BY MR. J.E. MCCORMICK OCT. 25, '58

1322 ♂ (TES 6x11, COLO. ?) SCARABUS LATIMANUS

172 - 39 - 20 - 0 50.0

SAN PABLO CREEK (SALT MARSH), RICHMOND, CONTRA COSTA CO., CALIF.

NOV. 9 COLL. BY GEO. F. FISLER OF MVB.

1323 ♀ (NO EMB. 17.16. + FLAT COLO. HEAVY MAM. TISSUE) SOLEX VAGANS HALICOTES

107 - 41 - 13 - 7^(N) 5.6

1324 ♀ (NO EMB'S) " " "

97 - 40 - 13 - 7^(N) 4.5

1325 ♂ (TES 1/2 11mm COLO. ?) " " "

98 - 41 - 13 - 6^(N) 4.5

1326 ♂ (TES ") " " "

100 - 40 - 12 - 7^(N) 4.1

1327 ♂ (TES ") " " "

94 - 39 - 13 - 6^(N) 4.2

1.0 MI. N, 2.0 MI. E MARTINEZ (SALT MARSH), CONTRA COSTA CO., CALIF.

NOV. 15 COLL. BY GEO. F. FISLER OF MVB
BACK BROKEN

1328 ♀ (NO EMB'S) SOLEX ORNATUS CALIFORNICUS

100 - 34 - 11 - 7^(N) 3.7

1329 ♂ (TES 1/2 11mm COLO. ?) " " "

91 - 34 - 11 - 7^(N) 3.8

1330 ♂ (TES 1/2 11mm COLO. ?) " " "

94 - 34 - 11 1/2 - 7^(N) 4.7

CORRAN HOLLOW, ALAMCOA CO., CALIFORNIA

CATCHED JUNE 10, 1956, DIED DEC. 3, 1958

1331 ♂ (TES 1/2 11mm COLO. ?) PIRODONYX HEEGMANNI

292 - 180 - 45 - 14^(N) 40.8

AMBOY CREEK, SAN BERNARDINO CO., CALIFORNIA

COLLECTED BY ? DIED FEB 1959 COLL. JOHN F. LAWRENCE #96
JULY 20, 1956

1332 SAURONANUS OBESUS

END 1958 CATALOG

MVB
67881

Ziegler, A. C.

1958

Journal

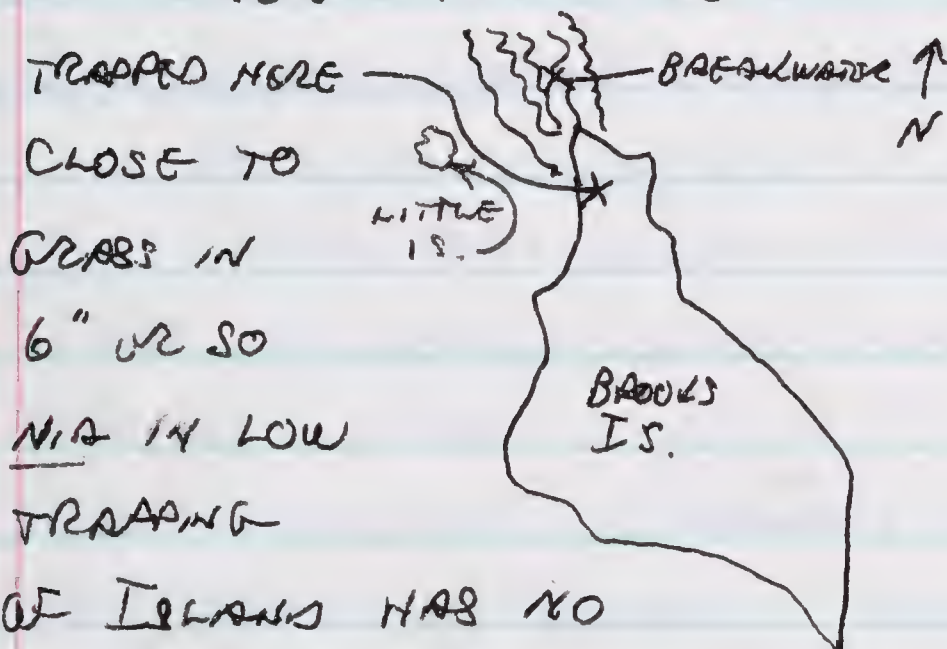
A.C. ZIEGLER
1958

JOURNAL

BROOKS ISLAND, 10[±] FT., CONTRA COSTA CO., CALIF.

JAN 5.

PUT UP 5 BLACKISH MUS TRAPPOES BY PAUL
H. ANDERSON & JOHN C. ONORIAS ON ISLAND. THEY
SET OUT 25 MUS. SPECIES FROM 9:AM TO 11 AM
& GOT 6 MUS - 1 EATEN IN TRAP. ISLAND IS
SHOWN ON USGS TOPO SAN FRANCISCO, CALIF
EDITION OF JUNE 1915, REPR. 1932. PAUL SAYS
A BREAKWATER HAS BEEN BUILT UP FROM NW
TIP OF ISLAND PASSING CLOSE TO THE SW TIP
OF SHOAL POINT AS ON TOPO SHEET. MICE
TRAPPED HERE CLOSE TO
GRASS IN 6" OR SO
NIA IN LOW
TRAPPING
OF ISLAND HAS NO
TIMBERS LEFT FROM AN OLD QUARRY. ONLY A
FEW BUCKEYES FOR NAILS, PAUL SAYS AT
LEAST 2 INDIAN KITCHEN MIDDENS OR SHOWN
MOUNDS ARE AT SHORELINE ON NE FACE
OF ISLAND. HE FOUND HUMAN RADNUS & UUNA
IN WAVE-WASHED FACE OF ONE BEACH. A
FEW GARTER SNAKES SEEN ON ISLAND LAST
YEAR BUT NONE THIS TRIP. RATTUS SEEM TO
BE COMMON. MAKING MARKED TRAILS IN
GRASS & BUSHES ON ISLAND. PAUL SAYS MAY
HAVE BEEN BURNT AROUND OCTOBER 1956. COMING



A.C. ZIEGLER
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JOURNAL

BROOKS ISLAND, 10[±] FT., CONTRA COSTA CO., CALIF.

JAN 5
(cont.)

MAY HAVE BEEN GROSSED HERE BEFORE SINCE
PILE OF COW BONES SEEN. ADUL "EMBOSSED"
A COLONY OF MICROTUS ON THE SMALL ISLAND
JUST A COUPLE OF HUNDRED YARDS SE OF
BROOKS LAST YEAR SOME TIME. SAID ON
MAIN ISLAND HE SAW ONLY MUS + RATTUS.
BROOKS IS ROUGHLY $\frac{1}{4}$ MI. WIDE, $\frac{1}{2}$ MI. LONG &
HIGHEST PT. IS 140[±] FT.

GIVEN #'s
JAN 8

SAN RAFAEL (5 WARDEN COURT) MARIN CO., CALIF.

DR RUDOLPH STONLOR OF U.C. REC'D 3 ALCOHOLIC
MUS FROM MR. THOMAS W. PERRYMAN ABOUT JAN 3,
1958. DR. STONLOR BROKE THEM TO DR BENSON OF
MUSE WHO WROTE LETTER TO PERRYMAN JAN 3, 1958,
REPLY JAN 6, 1958. 2 ^{BLACK} ~~BROWN~~ + 1 BROWN MUS PROBABLY
PRESERVED IN "RUBBING" ALCOHOL COMPOUND.
SKIN SHIPPING. GIVEN #'s A.C.Z. 987-989 +
REC'D'S IN MUSE TO SHOW COLOR OF FUR. REC'D
9444; MUSE #'s 122283-122285. NOTE WITH
SPEC'S PROBABLY IN PERRYMAN'S WRITING SAID ONLY
"

12-28-57

TAKEN IN TRAPS BY MR IRVING WARNER -
5 WARNER COURT.

SAN RAFAEL

"

A.C.Z. | EOW
1958

JOURNAL

Barker ("Head of Coronado Creek"), Alameda Co., Calif.

JAN 15

A BOY ABOUT 10 OR 12 CAME INTO MUSE WITH HIS MOTHER I GUESS & DONATED A HEMIT THRUSH & A SCIURUS NIGER. THRUSH GIVEN TO WARD RUSSELL, I TOOK SQUIRREL FOR FORMER SPEC. FOR DR QUAY OF UNIV. CALIF. THRUSH FLEW INTO WINDOW & WAS KILLED A FEW DAYS AGO. SQUIRREL RUN OVER BY CAR TODAY & HAD CRUSHED SKULL. WAS A BIG MALE - TESTES VERY OBVIOUS. #990 A.C.Z. Donor's name & address: MOTHER Kim HAYES, 55 TAMMERS RD, BERK. TH 8-8303, "HEAD OF CORONADO CREEK" "JAN 15" WAS ONLY DATA GIVEN TO MRS. SANCHEZ THE SECRETARY WHO HANDLES THE GIFT.

BROOKS ISLAND, 0[±] TO 50[±] FT., CONTRA COSTA CO., CALIF.

JAN 18

RENTED \$4.00/DAY BOAT AT KELLER'S BOAT DOCK JUST THRU TUNNEL IN RICHMOND WITHOUT ANKERS. SON & DR. W^m Z. LIDICKER OF MUSE & LEFT WITH ZOO BOAT. OUTBORED FOR BROOKS IS ABOUT 9:00 AM. LOOKED AT IS. & TOOK 2 PHOTOS LOOKING ROUGHLY N + NNW FROM ONE OF HIGHER POINTS TO SHOW VEGET. ON IS. GRASS ABOUT 10 INCHES TALL & THICK, SOME BACCHARIS. GRASS WET WITH DEW SO ANIMALS WOULD SEEM TO HAVE PLENTY OF WATER, SAW ONE FRESH WATER (TEMPERARY?) POND UP ABOUT 60 TO 80 FT. WHILE RAIN WATER PERHAPS HAD COLLECTED ABOUT 1-2 FT. DEEP & 6-8 FT. IN DIAMETER. ALSO ON SE SIDE SAW

A. L. ZIEGLER
1958

JOURNAL

BROOKS ISLAND, 0[±] TO 50[±] FT., CONDES. COSTA CO., CALIF.

JAN. 18
(CONT.)

2 FRESH WATER (ACC. TO ANDERSON WHO HAD TAKEN THEM) MACHINES WITH CATTAILS AT ELEVATION OF ONLY 10 OR 20 FT. NEAR OLD QUARRY OPERATIONS. SAW A SPARROW HAWK + DR. L. SAW A LARGER HAWK (BUTEO?). RATTUS FEEDS + WORKING EVIDENT, NO OTHER TRAILS IN GRASS SEEN THO. 19 MUS, ALL DARKISH, CAUGHT IN 40 MVS. SPECIES + 3 RAT TRAPS SET OUT FROM 11 AM TO 3 PM. DR. L. SET 14[±] LIVE TRAPS + ~~11~~ ~~MVS~~ SPECIES + GOT 9 MUS. P. ANDERSON SET 17 MVS SPECIES + NO LIVE TRAPS AND GOT 7 OR 8 MUS. PAUL SAID ONLY BARRAGE PRESENT IN WAY OF AMPHIBIANS. HE IS DOING POPULATION STUDY ON BROOKS, RED ROCK, AND MAINLAND. BY SETTING OUT 36 BOARDS 5' APART IN SQUARE OR TRIANGLE OF 3 ABOVE LOCALITIES + DESIGN-COUNT COUNTING + MARKING SAMPLERS UNDER THEM. DUG OUT INDIAN SKELETON FROM BANK JUST ABOVE WATER LINE ON NNE SHORE OF ISLAND CLOSEST TO SHORE OF POINT RICHMOND. SAW 3 OR 4 DEAD DUCKS, GOOSE AND/OR SHORE BIRD BODIES EATEN ALONG SHORE - ~~PROBABLY~~ BY RATTUS. PAUL HAS INTRODUCED MICROTUS ON A SMALL ISLAND 100 YDS OR SO SW OF N POINT OF BROOKS + SAID THEY ARE DOING FINE. FOUND 2 CANIS PART SKELETONS ON 2ND HIGHEST POINT OF BROOKS - 1 ADULT + 1 PUP VERY OLD SO MUST HAVE BEEN THERE FOR YEARS. ALSO WERE FOUND FRAG. SUS RIGHT EXT. AUDIT. MENTUS REGION - ALSO CLO.

A.C. ZIEGLER
1958

TOWNSHIP

BROOKS ISLAND, 0[±] TO 50[±] FT., CONTRA COSTA CO., CALIFORNIA

JAN. 18
(CONT.)



BROOKS ID. LOOKING N. JAN 18, 1958



BROOKS ID. LOOKING NNW JAN. 18, 1958 QUITE HIGH TIDE

A.C. ZIEGLER
1958

JOURNAL

BROOKS ISLAND, 0⁺1050⁺ FT, CONTRA COSTA CO., CALIFORNIA

JAN. 18
(CONT.)



Red Rock Id. from South. CINNABAR MINES VISIBLE ON SHORE. RICHMOND
SAN RAFAEL BRIDGES IN BACKGROUND. TAKEN JAN. 18, 1958 FROM BOAT.



SOUTH SHORE OF Red Rock Id. from on rock. JAN. 18, 1958

A.C. ZIEGLER
1958
(CONT.)

JOURNAL

BROOKS ISLAND, 0⁺ FT. TO 50⁺ FT., CONTRA COSTA CO., CALIFORNIA

JAN 18.



DR. WM Z. LINSAKER + PAUL K. ANDERSON
WORKING PAUL'S SALAMANDER BASSO GRIS ON
N END OF SUMMIT OF RED ROCK, JAN. 18, 1958

A.C. ZIEGLER
1958

Journal

JAN 18
(CONT.)

BROOKS ISLAND, 0[±] TO 50[±] FT, CONTRA COSTA CO., CALIF.
WENT TO RED ROCK JUST W OF MIDDLE OF NEW
RICHMOND - SAW ^{AT 3 PM.} LAFAYETTE BRIDGE, 2 OR 3 CAVE-IN
SHAFTS OF CINNABAR MINES HEAD IN FROM NEAR
WATER LINE. SW SLOPE IS FAIRLY ROCKY BUT
N SLOPE RATHER MOIST WITH A FEW FERNS
EVEN. GRASS UP TO A FOOT TALL, ALSO SOME
POISON OIL. PAUL SAID HE HUNTER FOR MAMMALS
BUT GOT NONE & WE SAW NO SIGN. 2 SPECIES
OF SALAMANDERS - BAYBENAROS & AMEIOCS
LUGUBRIS OCCUR HERE IN CONTRAST TO ONLY
BAYBENAROS ON BROOKS. GOT BACK TO BOAT
DOCK AT 5:00 PM. BIRDS IN BOAT: CONVEX-
BILL, SURF SCOTER, SCURP, BUFFLEHEAD, GOLDEN-
EYE, COOT, W. GREBE (1), CRAB GRASS (2), ANCIENT
(30[±]), SHOREBIRDS, Gulls, CORMORANTS (3). ON BEI
ISLAND - BROWN TOWNSE, W. CR(?) SPARROW, SPAR.
HAWK. FOUND OWL OR HAWK PERCH ON DRIFT-
WOOD NEAR SHORE ON BROOKS 40 mm x 15 mm, ^{CONSISTING} OF
AN INSECT & REMAINS (SKELETON PARTS, ETC) OF 2 MUS
FUR COULD WELL BE MUS ALSO - DARK GREY.

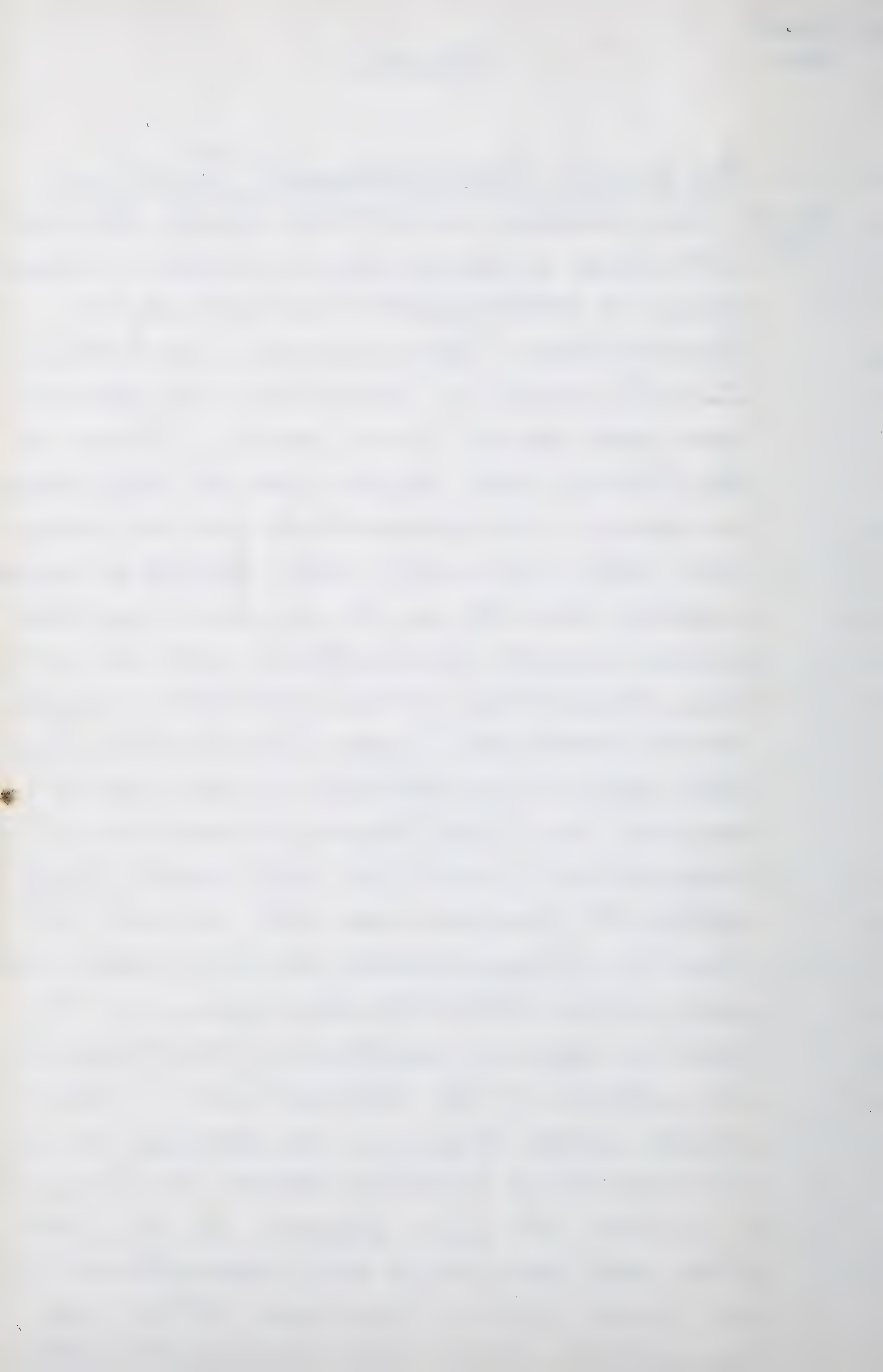
A.C. ZIEGLER
1958

JOURNAL.

1 mi. E, 2 mi. N Trona (San Bernardino Co.) ^{1700± ft.} Inyo Co. (Calif.)

JAN 29
+ 30

LEFT BECKLEY AT 6:00 AM WITH DR. W.B. QUAY
+ MRS. QUAY + DROVE FAIRLY STEADILY TO ABOVE
LOCALITY ARRIVING ABOUT 4:30 PM JAN 29.
ROAD MAP SHOWS TRONA JUST ON SAN BERN. CO. -
INYO CO. LINE — ACTUALLY THE TOWN &
LAKE ARE ABOUT $1\frac{1}{2}$ MI. APART: TRONA TO
THE SOUTH, LAKE TO THE NORTH. OUR NEAREST
LOCALITY WAS REACHED BY DRIVING ABOUT
2 MI. NNE ON HWY PAST TRONA + TAKING
A DIRT ROAD $\frac{3}{4}$ MI. E OUT INTO THE SAND
+ SALT FLATS. AN AIRPORT LAY ABOUT A
MILE FURTHER TO THE EAST OF US CLOSE
TO THE BASE OF SLATE RANGE MTS. ARROW
PEAK WAS TO THE NW OF US AND THE N
END OF THE (DRY) SEARLES LAKE MUST
HAVE BEEN CLOSE TO OUR CAMP. PHOTO
TAKEN OF GENERAL HABITAT LOOKING NW
JAN. 30. GROUND WAS WETTISH SAND WITH
SOME OTHER TYPE OF MATERIAL IN IT TO
SORT OF HOLD IT TOGETHER (MINERALS LEFT
UPON DRYING UP OF SEARLES LAKE?) BUT
THERE WERE 8 OR SO 20 X 30 FOOT, 8-10
FT. HIGH SAND DUNES + THERE YIELDED
A COUPLE OF D.P.O. DEBERTI TO DR QUAY.
AREA HAD BEEN USED AS A GARBAGE DUMP
AT TIMES SINCE SEVERAL SAITS HAD
COLLECTIONS OF OLD CANS. VEGETATION WAS



California

UNION OIL ROAD MAP

U.S. INTERSTATE AND PRINCIPAL STATE HIGHWAYS SHOWN IN RED.

Note: These are generally, but not always the best or shortest routes.

Freeways (Full controlled access):
No crossing at grade.
Military Airports

Points of Interest:
(State and U.S. Highways)
Camps, ranger stations (R.S.), etc.

Improved Roads - second class:
Accumulated mileage shown between points

Graded Roads:
Local inquiry suggested

Other Roads:
Improved or Unimproved (Improved or Unimproved)
State Capitals
County Seats
State & U.S. Fish Hatcheries
National Parks, Monuments and Cemeteries

State Highways:
Mexican Numbered Highways

Ports of Entry

State Capital = Sacramento

Speed Law = 55 m.p.h. (prima facie limit)

POPULATION OF CITIES AND TOWNS.

0-350
350-1,000
1,000-25,000
25,000-50,000
50,000-100,000
100,000 and over

Time Zone boundary between Pacific and Mountain Standard time. In some localities time is advanced one hour by local option.

One inch equals approximately 20.5 miles.

Scale: 0 10 20 30 40 miles

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MAP CONTINUED ON REVERSE



See Reverse

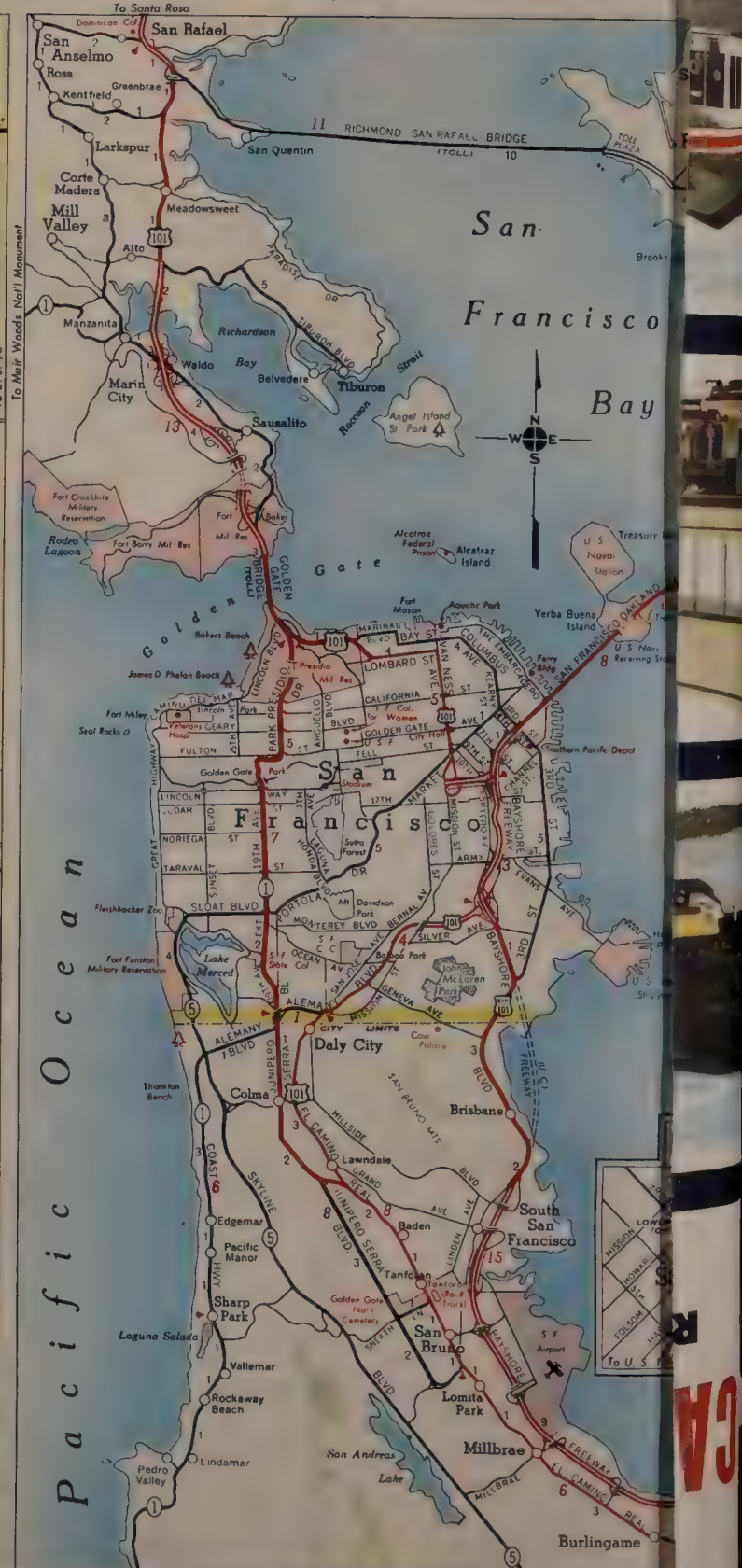
Let's go Berkeley
12:00 noon Jan 31, 1958

From Berkeley
Jan 29, 1958

A.C. Zeller
1958

Journal

JAN 29-31



A.C. ZIEGLER
1958

Township

1 mi. E, 2 mi. N TROYA (San Bernardino Co.), 1700[±] ft., Inyo Co, Calif.

JAN 30

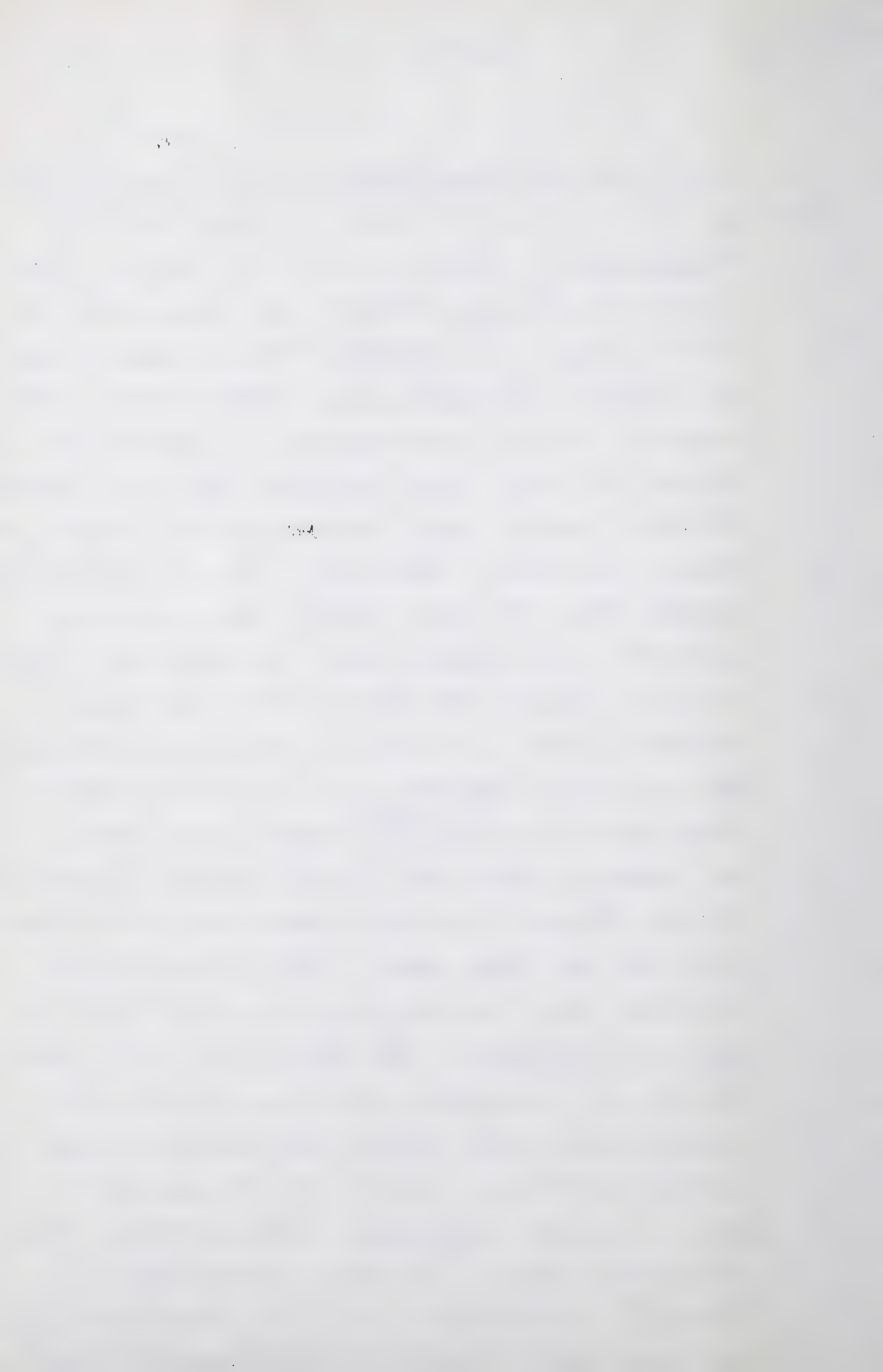


TRAPPING AREA NEAR SERRAS HILLS. TRAPS
SPREAD IN RT. FOREGROUND. PHOTO TAKEN JAN 30,
1958 LOOKING NW TOWARDS AGOUS RANGE.

A.C. ZIEGLER
1958

JOURNAL

JAN 30 1 m. E, 2 m. N Tona (Sandbarres No. 6.) ^{1700⁺ ft.} Inyo Co, Calif.
A FEW 1 TO 2 FT HIGH SMALL BUSHES
(Artemisia?) ABOUT 8-10 FT. APART. SAW
DOGS OR COYOTE TRACKS ON SAND, ALSO A
FEW DEER OR SHEEP TRACKS AND 1 SET
OF COW'S. 3 RAVENS ONLY BIRDS SEEN. SAW
HOLES 2 1/2 TO 3 INCHES ACROSS IN DUNES BUT
THEY DID NOT LOOK ACTIVE, POSSIBLY BECAUSE
RECENT RAIN HAD SMOOTHED OUT SAND IN
FRONT OF THEM. SET OUT ABOUT 80 MUSSES
~~AND~~ AND 8 RAT TRAPS AT BASE OF
SHRUBS, IN BEEN-DUG TRENCHES BETWEEN
SHRUBS AND IN FRONT OF THE FEW
HOLES SEEN. TRAPS BAITED WITH WALNUTS,
~~THE~~ AND SET ROUGHLY 15-20 FT APART.
ALSO SET OUT 30 ^{small} SHERMAN LIVE TRAPS
IN SOME HABITAT & AT SAME DISTANCES.
USING PECAN CRUMBS - OATMEAL - BIRDSEED
MIXTURE AS DRY BAIT. NO SNAP TRAPS
SPRUNG BUT IN ONE LIVE TRAP GOT A
D. P. MERRIAM. DE QUAY SET OUT ABOUT
30 OR SO LARGE & SMALL SHERMAN &
WIRE-MESH LIVE TRAPS AT HOLES AND
OUT IN OPEN ON FLATS & ON DUNES &
GOT 2 D. P. DESERT. BRITE MOON MOST
OF LAST NIGHT - SNOW WIND FROM E,
THEN S THEN BACK TO E BY MORNING. COLD
IN WIND BUT OTHERWISE COMFORTABLE SHIRT-



A.C. ZIEGLER
1958

JOURNAL

JAN. 30
(CONT.)
1 MI. E, 2 MI. N TROYA (San Bernardino Co.) ^{1700⁺ FT.} INYO Co., CALIF.
SWEET WEATHER. SAW ONE BAT AFTER
DUSK FLYING 3-4 FT UP AROUND ME
TWICE WHILE SETTING TRAPS. LEFT ABOUT
8:00 AM + ASSISTANT CHEMICAL COMPANIES
EXTRACTING MINERALS FROM MUD IN
SEARIES HAVE BOO DRIVE TO WALKER PASS.

JAN 30
(CONT.)
1/2 MI SE (BY ROAD) WALKER PASS, 5100⁺ FT., KERN Co., CALIF.
AS WE NEARED THE SUMMIT OF THE
PASS THE JOSHUA TREES SUDDENLY BEGAN
TO APPEAR + MADE A FAIRLY DENSE STAND
NEAR THE PASS. WE ROLLED OFF THE ROAD
1/2 MI. E OF SUMMIT SIGN AND ^{STOPPED} JUST ACROSS
THE ROAD FROM A U.S.G.S. BENCHMARK
MARKED "V 291 WITH NO ELEVATION
1935"

PRINTED UNIT. WE SHOOK JOSHUA TREES
+ ROLLED FALLOW ONES FOR ABOUT 20-30
MINUTES ON S SIDE OF ROAD. FOUND AN
ACTIVE WOOD RAT NEST IN MIDDLE OF
A SHRUBBY BUSH BUT DID NOTHING OUT
OF IT. FOUND BIT OF AN OLD LABRADORIAN
SKULL. PULLED DOWN A SHORT DEAD JOSH.
TREE STUMP + GOT ^{SMALL} SLOW MOVING ~~WANDERING~~ ^{WANDERING}
WITH A JUST-SHED TAIL OUT OF HOLE IN GROUND
AT BASE. DR + MRS QUAY ROLLED A FALLOW
ONE + GOT A SMALL ~~SCORPION~~ ^{SCORPION} ~~IN THE~~ ^{IN THE} TAIL
TOOK PHOTOS FROM 10:10 AM TO 10:40 AM. CLOUDS BEGAN.

A.C. ZIEGLER
1958

JOURNAL

Jan 30
(cont.)

7 mi. E (BY ROAD) MERCY Hot Springs, Fresno Co., Calif.
Drove thru Bakersfield & up to Firebaugh
& thence SW thru Mercy Hot Springs &
Llaneta to ~~just~~ ^{SPELLING "MERCY" ON MAPS BUT "MERCY" ON SIGN 1ST TOWN.} PANACHE PASS. At
LOCALITY ABOVE, SAW 4 OR 5 KIT FOXES
FOXES & A BOBCAT BODIES TIED ON
FENCE. ANIMALS TRAPPED APPARENTLY &
THEN CLUBBED FROM CONVICTIONS AT FEET &
HEADS. SKULLS OF BOBCAT & A HEAD OF
FOXES GONE BUT TOOK WHOLE CARCASS OF
A KIT FOX THAT STILL SEEMED IN GOOD SHAPE.
FROM WALKER PASS TO ABOVE LOCALITY
SAW LITTLE MAMMAL SIGN — ONLY
CITELLUS IN FIELD & ROCKS ALONG WAYS,
THOSE IN VICINITY OF MTS AROUND PASS
WERE ALMOST A CHESTNUT-BROWN COLOR
WHILE THOSE IN VALLEY MORE GREYISH-
BROWN. PIGMY PINE CONES WERE IN
EVIDENCE IN HIGH ROCKY COUNTRY ALONG
KERN RIVER & ISABERNIA RESER. SEEMED TO
HAVE PLENTY OF WATER IN IT. GRASS SEEMED
GREEN IN MANY PLACES IN VALLEY &
SURROUNDING ^{HILLS &} COUNTRY ALTHO WE SAW SOME
SPOTS IN VALLEY WHERE THERE WAS
LITTLE EVIDENCE OF RECENT SNOW & FIELD
SPRINKLERS WERE BEING OPERATED. ON THE
ROUTE U.S. 99-U.S. 466 AND STATE 33 HIGHWAYS
FROM BAKERSFIELD TO FIREBAUGH CHIEFCROWS

A. C. ZIEGLER
1958

JOURNAL

Jan 30 (cont.) 7 mi. E (by road) Mexico Hot Springs, Fresno Co., Calif.
SEEMED TO BE COTTON, RICE(?) AND
PERHAPS SOME SUGAR BEETS. A LOT OF, IF ANY,
GOOD TRAPPING LOCATIONS SEEN ALONG THIS
ROUTE — LAND BEING FARMED OR FENCED
FOR SHEEP OR CATTLE AND THE WAY TO
PANOCHÉ PASS. ^{Saw 20+ Am. EGGS IN CUT RICE FIELDS NEAR} WE CAMPED AFTER DARK A MILE OR TWO
FEW MILES TO W OF PASS & SET TRAPS BEFORE AND
12 mi. SE (by road) PAICINES, SAN BENITO CO., CALIF.

Jan 31. IN 40 MUS. TRAPS & 4 RAT TRAPS SET ON
GRAVELLY & ROCKY GROUND AMONG ARTEMISIA
& TREE TOBACCO BUSHES CAUGHT 1 NEOTOMA,
5 PEROMYSCUS MANICULATUS & 2 REITHRO,
MEGALOTIS. IN LIVE TRAPS SET ON OPPOSITE (N)
SIDE OF ROAD AMONG ARTEMISIA ON STEEP
SHADE GOT 9 PEROMANICULATUS & 2 REITHRO.
DR QUAY SET ABOUT 30+ LARGEST & SMALL
SHERMAN LIVE TRAPS & GOT 2 DIPLO, MEGALOTIS,
1 P. MANICULATUS, & 1 REITHRO. SOME
HOLE 2 INCHES IN DIA WERE SEEN IN
GROUND BUT ONLY 1 LOOKED ACTIVE — MAYBE
DIPLO HOLES. JUST BESIDE FENCE ALONG HIGHWAY
SET 5 OR 6 GARDNER TRAPS & GOT 3 THOMOMYS.
TUNNELS SHOWED LITTLE FRESH DIRT ALONG
BUT THIS MAY HAVE BEEN THE EFFECT OF
RECENT RAINS PACKING DOWN ANY FRESH DIRT.
TUNNELS WHEN. dug ~~out~~ INTO WERE BIG
ENOUGH TO ADMIT A MAN'S ARM — THICK TRAILS

A.C. ZIEGLER
1958

JOURNAL

12 mi. SE (BY ROAD) PACIFIC, SAN BENITO CO., CALIF.

JAN 31
(CONT.)

SHEEP & ONLY BUT GARTERS CANNOT BE
NOT ESTABLISHED YET. HEARD GE. HORNING
OWL & 2 BOREWINGS CARRYING LAST NITE.
COLD THEN & THIS AM - MOISTURE FROM
ON CAR & SLEEPING BAGS. OUR NEAREST
LOCALITY WAS ONLY 200 FT. OR SO NORTH
OF ANOCHO CREEK IN FENCED FIELDS JUST
BEHIND HUNTER. A MILE FROM THIS LOCALITY
AFTER WE LEFT ABOUT 8:00 AM WE SAW
A COUPLE OF MARSHES, & ON WAY BACK TO
BERKELEY SAW SOME Hudsonian CURLEWS
IN FIELDS NEAR SAN JOSE, A FLOCK OF WAX
WINGS, WE SEEMED TO HAVE SEEN QUITE
A NUMBER OF SHARKE ALONG WIRES AND
THRU VALLEY & A FAIR NUMBER OF PASSER
HAWKS. NEAR MENDOTA SAW A COUPLE OF
MARSH HAWKS & SOME RIMNECK PHOENIX
IN FIELDS. NEAR LLANOSA (SAN BENITO CO.)
SAW A BROWN OWL AFTER DUSK & ALSO SPOTTED
2 BURBANK OWLS, A JACK RABBIT (?) & A
COTTONTAIL OR BRUSH RABBIT. ABOUT 7:00 PM.
ARRIVED IN BERKELEY & URBANO AT NOON.
KIT FOX TAKEN 7 MI. E MENDOTA HOT SPRINGS
MAY HAVE BEEN ORIGINALLY TAKEN BY GOV'T TRAPPER
OPERATING OUT OF ANOCHO. DEER TRACKS SEEN
IN AREA 12 MI. SE PACIFIC.

A.C. ZIEGLER
1958

JOURNAL

PUT UP
FEB 4

8 MI. E. 5 MI. N MERCY HOT SPRINGS, 450[±] FT., FRESNO CO., CALIF.

PUT UP LIPELLUS NEWSONI COLL BY VIC LEWIN
& WM MANER ^{OF MVZ} ON JAN 29, 1958. SHOT & RAN
INTO HOLE WHENCE IT WAS DUG OUT. TAIL
TAIL SEPARATES BUT SAVED.

PUT UP
FEB 4

PANOCHÉ CREEK, 550[±] FT., FRESNO CO., CALIF.

PUT UP ALSO 9 DIPLO NEERMANNI COLL
BY WM MANER ON JAN. 29, 1958 FOR MVZ. LOCALITY
IS IN SECT. 10, T. 15 S, R. 12 E ON USGS TOPO
PANOCHÉ COIT. OF MARCH 1913, REPR'D. 1942.

THIS LOCALITY IS NOT ON LITTLE PANOCHÉ CREEK.

DID NOT
GO TO
MVZ.

~~VIC LEWIN ALSO HAS 10 OR 12 DIPLOS WHICH MAY
OR MAY NOT GO TO MVZ ALSO. FIELD NOTES OF
MANER & LEWIN SHOULD GIVE HABITAT NOTES ON
CITELLUS & DIPLOS.~~

FEB 9

BROOKS ISLAND, 0 TO 10[±] FT., CONTRA COSTA CO., CALIF. FERNANDINO

SPENT A DAY IN THE P.M. DIGGING IN
THE SHELL MOUND ON NE END OF ISLAND
WITH CHRIS. SNAKE A FEW INCHES IN 200 YDS.
HAD A TIME GETTING IN TO ISLAND AT LOW TIDE
BUT THINK THE DEEPEST WATER IS JUST TO
E SIDE OF ROCKS ON NE TIP OF ISLAND.
PICKED UP BONES FROM SKELETON FOUND BY
PAUL ANDERSON LAST WEEK AND FROM THE
WATER & SHORE AT MOUND - MOST OF HOMO
BONES SEEM TO FLOAT - AT LEAST IN THE

A.C. ZIEGLER
1958

JOURNAL

BROOKS ISLAND, 0 TO 10⁺ FT., CONITA COSTA CO., CALIF.

FEB 9
(CONT.)

ONE CONDITION THERE ARE IN. ALSO DUG
OUT SOME MORE ^{HOMO} FOOT BONES FROM SPOT
WHERE I GOT CANCANEUM + OTHER FOOT
BONES ON JAN. 18, 1958. DUG UP A NEW-ARM
OR MONTH OR SO OLD HOMO SKELETON FROM
5' ABOVE HI. TIDE MARK, IN MOUND - NO
OTHER BONES ASSOCIATED. ALSO FOUND, ON
FAR NE TIP OF ROCKS, A HOMO SKELETON
JUST AN INCH OR SO BELOW GRASS. NO
~~SKELETON~~ CRANIUM BUT 3 BITS OF IT FOUND
IN FRONT OF RAT HOLES ALONG WITH
PART OF CHIN (WHICH FIT OTHER PART
DUG UP WITH SKELETON) AND 3 OR 4 META-
TARSALS. ALSO UPON CLEANING DIRT OFF
OF BONES FOUND I HAD AN EXTRA SECTION
FROM PELVIS. THIS HAD A SMALL (FRESH?)
BURNED SPOT ON IT AND IT IS PROBABLE
THAT THE SKELETON IT BELONGED TO HAD
BEEN TAKEN BY SOMEONE ALREADY + THE
BONES THAT MIGHT HAVE BEEN LEFT MIGHT
HAVE BEEN BURNED BY GRASS FIRES SET ON
THE SMALL POINT OF LAND. THIS POINT
OF LAND MAY HAVE BEEN JUST PART OF A
MORE EXTENSIVE RIDGE TERRACE WHICH
HAS SINCE BEEN WASHED AWAY BY WAVES
NO ARTIFACTS FOUND WITH THE SKELETON.
THE SKELETON FOUND LAST WEEKEND BY PAUL

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1958

JOURNAL

BROOKS ISLAND, 0 TO 10¹ FT., CONTRA COSTA Co., CALIF

FEB. 9
(cont.)

ANDERSON APPARENTLY HAD BEEN EXPOSED BY WAVES WASHING AWAY & COLLAPSING THE MOUND. HE FOUND NO SKULL AND, ANTHRO I DUG THROUGH ALL THE LOOSE DIRT BELOW THE CAVERN I ONLY FOUND ONE LOOSE TOOTH AND PART OF THE LOWER JAW (TO WHICH THE TOOTH BELONGED) BUT NO CRANIUM. IT MIGHT HAVE BEEN WASHED AWAY BY WAVES OR IT MIGHT STILL BE BURIED IN SOME SPOT IN WHICH WE HAD NOT DUG.

PICKED UP MANY OTHER BIRD & MAMMAL BONES FROM IN MOUND — GAVE BIRD BONES TO DICK BANKS OF MUSE.

PAUL HAD FOUND 2 PIECES OF (UNWORKED?) QUARTZ XMAS, A PLUMB-BAB-LIKE HOLEO ORNAMENT(?), ^{or SCRAPING?} A FLINT SCRAPER OF BEAR HEAD; AND A COUPLE OF LONG (8-10 INCH?) BROKEN BONE NEEDLES OR AWLS IN PELVIC REGION OF SKELETON. ONE OF NEEDLES HAD "EYE" IN IT. HE ALSO NOTICED SOME REDDISH PIGMENT WHICH MIGHT HAVE BEEN A BEEF PAINT OR WHATEVER BURIED WITH ~~BODY~~ ^{body} I SCRAPED SOME OFF ^(+ SAMPLED) OF ONE SAID ON A LEG BONE WHERE I NOTICED IT. IN DUGGING OUT A REMAINING FOOT OF SAME SKELETON I FOUND PARTS OF ANOTHER NEEDLES TWO WITH THE FOOT BONES. ALSO PICKED UP A WORKED HOLLOW

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Brooks Island, 0 to 10⁺ ft., Contra Costa Co., Calif.

FEB. 9
(CONT.)

BIRD BONE FROM WATERS EDGE WHICH PROBABLY
WAS BURIED WITH SKELETON SINCE IT WAS
FOUND WITH CHINICK, RIBS, VERTEBRAE, ETC.

PAUL'S SKELETON (THE REMAINDER OF WHICH
I OUP UP TODAY) GIVEN MY #1015 (0⁺ FT.)

INFANT SKELETON # 1016 (5⁺ FT.)

ADULT SKELETON FROM ROCKY POINT #1017 (10⁺ FT.)

I CAN SEE THAT THRU YEARS OF RATS BURROWING
THRU SKELETONS BURIED CLOSE TO THE SURFACE
OR EDGE OF BANKS, ~~AND~~ ~~THEY~~ COLLAPSE & ~~THE~~
ROOBBING OF THESE BURROWS THAT PARTS
OF SKELETON MIGHT BE BROKEN, DISALIGNED,
REMOVED ETC. AND THIS PROBABLY WAS THE
CASE WITH RESPECT TO THE BONES FOUND
ON THE NE ROCKY POINT OF ISLAND. I
SAW THE REMAINS OF THE SKELETON BY LOOKING
IN A RAT BURROW NEAR THE TOP OF THE
BANK.

STEAMBOAT CANYON (N. CALIF. BOTANICAL GARDENS), BERKELEY, ALAMEDA CO., CALIF.

FEB. 20

PUT UP 4 SOEKA OENOTUS COLL'D BY STUDENTS
IN ZOO 128 CLASS. THESE 4 ~~GO~~ TO ZOO. DEPT. COLL.
FOR CLASS USE IN ZOO 113.

1 MI. N CAMP MEEKER, SONOMA CO., CALIFORNIA

PUT UP
FEB 21

PUT UP 2 PHYGAEOMYS COLL'D FEB. 16, 1958
BY WM HAMILTON III & DON ROBERTS OF MVT WACO

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OUT CA
FEB. 21
(CONT.)

1 MI. N CAMP MEERER, SONOMA CO., CALIFORNIA

ARE WORKING ON REPRODUCTION IN THESE MICE. THEY
COLLECT ^{I NEED} EVERY MONTH. THE SKULLS WERE KEPT BY
THEM + I MAY GET THEM LATER - SO, AS OF
NOW, THEY SPEE'S ARE "SKIN ONLY". MY # 1022
WAS THEIR #5 FEB. 16, 1958 AND IT HAD DIED IN
CAPTIVITY FEB. 20, 1958. WEIGHT + MEAS'S ON SKIN
TAKEN WERE TAKEN FEB. 21, 1958. MY # 1023 WAS
THEIR #4 FEB. 28, 1958 ^(SIC) (SHOULD HAVE BEEN #4 FEB. 16, 1958)
AND IT WAS APPARENTLY KILLED ON DATE OF CAPTURE.
WT. + MEAS'S ON SKIN WERE TAKEN FEB. 21, 1958.

STRAWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIF.

MAR 1

SET OUT 30 LIVE TRAPS, 20 MUS. SPEE'S + 6
+ 5 RAT TRAPS
MAREBEE'S JUST TO N SIDE OF FENCE OF V.C. BOTANI-
CAL GARDENS. IN LIVE TRAPS SET IN TALL
GRASS GOT 3 MICROTUS + 3 PEROMYSCUS. ONE
SMALL THOMOMYS IN MAREBEE'S + ANOTHER TRAP
SAVING BY GOING SHOVING DIRT INTO IT. IN
MUS SPEE'S SET ON BAUSHY, ~~DEEP~~ SHADY PLACE
GOT 2 PEROMYSCUS + 4 PEROMYSCUS CANADENSIS
PUT UP THOMOMYS + 2 P. CANADENSIS. DR
POLEMAN, AN ENTOMOLOGIST USED LIVE ^{TRAPPED} PEROMYSCUS
IN STUDY OF PARASITES, HE PUT UP (#1) A
MICROTUS + (#2) A PEROMYSCUS + SAVED SKINS OF
2 MORE PEROMYSCUS. 1 LARGE ♀ MICROTUS SAVED
ALIVE FOR ZOO 128 CARES.

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BROOKS ISLAND, 5⁺ FT, CONTRA COSTA CO., CALIF.

Mar 2 Went to Red Rock + Brooks with Mr. + Mrs. Paul Anderson of MVE + Mr. + Mrs. Jack Smith of Anthrop. Dept. Found part of rusty phormium on Red Rock Beach - Given to Dick Peterson of our Herp. Dept. for identification. Also found fish vertebra + 2 DRIPING SKELETONS. On Brooks the Smiths found a PESTLE on red at ground at extreme point at NE end of island and saw that yielded a skeleton to me last year. Paul Anderson found a partial skeleton at spot where Paul had seen a few ribs exposed a week or so ago. I dug it out + gave it my #1027. Paul found a QUARTZ x tan (chip, prob. to an owl?) on beach at spot where he had found skeleton with other artifacts a few weeks ago. I found a (waste?) obsidian fragment with chips taken out of it on the beach at the end of same mound where the skeletons were found. Fish vert. from Red Rock was fairly fresh + was identified as STRIPED BASS (ROCCUS SAXAT- ILIS) FAM. SERRANIDE. Al Jones of Zoo Dept. took it over to Calif. Acad. of Sci. in S.F. to have it identified. In mound at Brooks got (old) "TOOTH(?)" plate with marks of corn- kernel-like tooth set on it. Identified

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MAR 2
(CONT.)

BROOKS ISLAND, 5⁺ FT., CONTRA COSTA CO., CALIFORNIA
BY CALIF. ACSS. AS BEING PART OF A PILAEAL
(DAMNICHATYS VALEA) FISH. EMBIO TOCIDAE.

4 MI. E HASKINS, 1000 FT., MENDOCINO CO., CALIF.
APR. 10 PUT UP (ON APR. 15) 2 LABIDUS CINEREUS SHOT
BY DR. CARL B. VALENT & GIVEN TO MUE,
A.C. # 1039, 1040. WEIGHTS TAKEN APR. 15, KEPT
IN FREEZER SINCE ~~SENT~~ BROUGHT TO MUE ON APR. 11.

STRAWBERRY CANYON, BERKELEY, ALAMEDA CO., CALIF.
CATCH APR. 11, 1958
WILLIAM APR. 15, 1958 PUT UP 3 NEOTOMA CAUGHT BY ZOO
113 FIELD TRIP (WOODRAT HOUSE INVESTIGATION)
APR 23 PUT UP SOLEX ORNATUS WENTRAPPED
BY FM BYRNE OF ZOO 128 CLASS. HE ALSO TOOK
5026 MICROTUS IN SAME AREA.

1 MI. SE INVERNESS, MARIN CO., CALIF.
PUT UP APR 23. 1 MYOTIS CALIFORNICA CAUGHT BY DR.
BENSON IN HIS CABIN NEAR INVERNESS. ANIMAL
KEPT IN COLD ROOM UNTIL DIED ON APR. 16, 1958.
PROBABLY STARVED TO DEATH. PASSED THROUGH
HANDS OF BILL MAHER, JIM ANDERSON & VIC LORIN
BEFORE I FINALLY GOT IT TODAY TO PUT UP
FOR ZOO 113 COLLECTION.

NO DATA (PROBABLY FROM CALIFORNIA)

APR 23 FOUND MOLE UNLABELED IN FREEZER - SAVED AS
PROBABLY COLLECTED BY 1957 MARIN CLASS (02 MAY 1958 1958 1958)

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UNIV. OF CALIFORNIA, BERKELEY, ALAMEDA CO., CALIF.
PREP'g APR 23. SAVED SKULLS ONLY OF 2 ALBINO RABBITS
USED IN ZOO 128 CLASS EXPERIMENT. ♀♀
NO MEAS'S OR WT. NO OTHER DATA.

MAY 7 PUT UP 2 GREY MUS MUSCULUS USED IN
ZOO 128 CLASS. ~~FROM~~ LAB. ANIMALS BUT STRAIN
OR SOURCE UNKNOWN.

SAN FRANCISCO ZOO, SAN FRANCISCO, SAN FRANCISCO CO., CALIF.
MAY 6 ON MAY 7 PUT UP 2 YOUNG RATTUS RATTUS
TAKEN IN GLENN HART HOUSE AT ABOVE LOCALITY.
THESE WERE DE-FLEAS'D BY PARASITOLOGY
PEOPLE & BRO'T OVER TO MUZ BY A GRAD.
STUDENT IN ENTOMOLOGY, HAROLD E. STRECK.
APPARENTLY CAUGHT BY A "SAN FRANCISCO ROSENT COMMUNITY"
IN PARASITE PROJECT. THE TWO (♂ & ♀) WERE
TO BE USED IN ZOO 113 CLASS COLL. BUT WERE
TOO YOUNG, SO WENT TO MUS. COLL (WHERE WE
DID NEED THEM BADLY). STRECK WILLY-NILY TO GET
SOME ADULTS LATER. THESE TWO WERE SUSPECTED
TO HAVE BEEN KILLED MAY 6, AND IF THEY
WERE THEY MUST HAVE BEEN LEFT IN TOO WARM
A PLACE SINCE BELLY SKIN WAS PRETTY ROTTEN
& EYES & TOES DRIED OUT.

4 MI. E HOLLAND, 1000 FT., MENDOCINO CO., CALIF.
PUT UP
MAY 27 PUT UP FOR MUZ 6 LABIRURUS CINEREUS SHOT
BY DR. CARL B. KATZ IN FRONT OF HIS HOUSE AT

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4 MI. E HAWLAND, 1000 FT., MONOCINO CO., CALIF.

^{PUT UP}
MAY 27 ABOVE LOCALITY FROM APR 12, 1958 TO MAY 19, 1958.

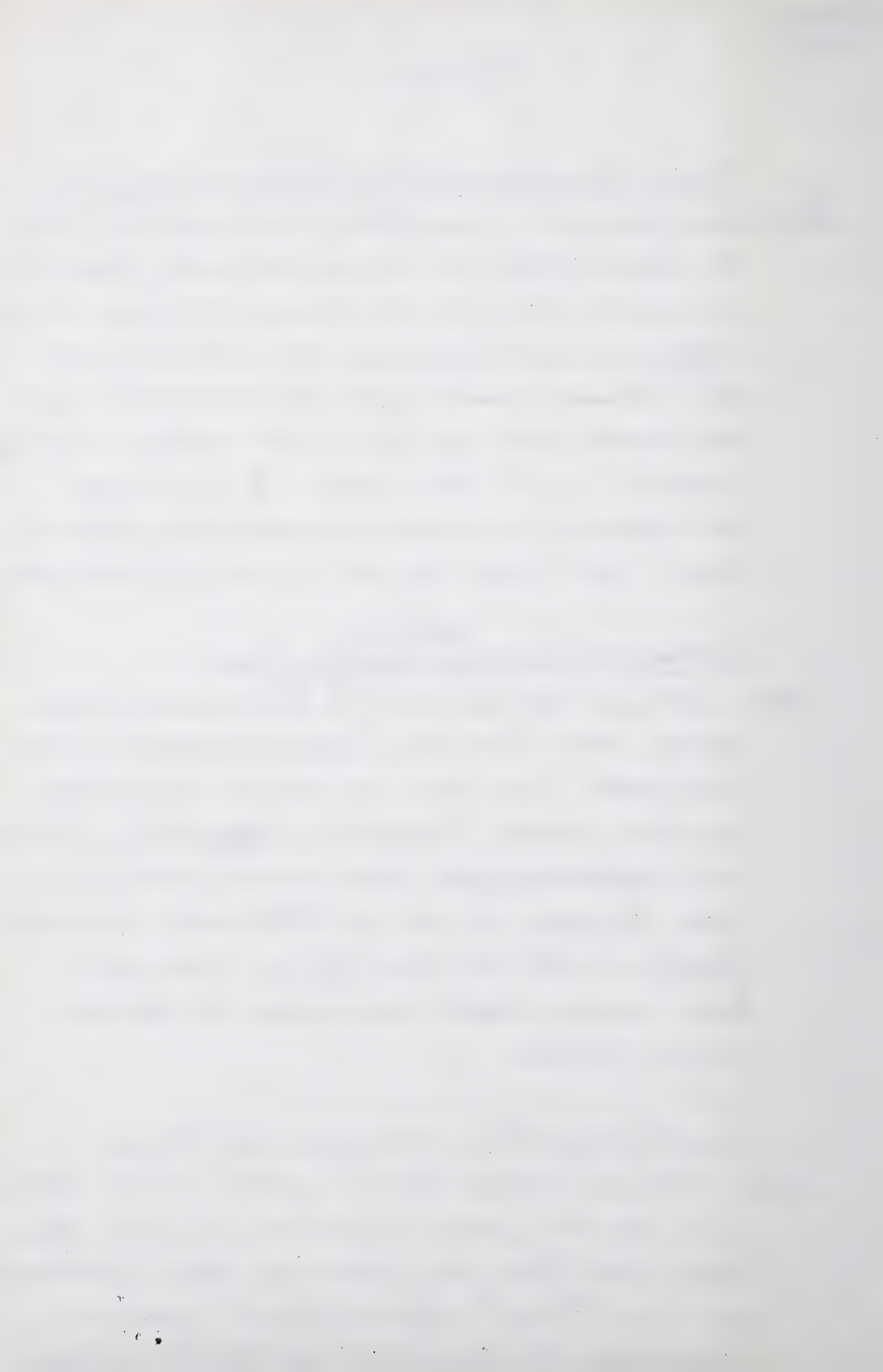
DR. HAROLD SAID HE STILL ~~NOTICES~~ NOTICES THEM FLY-
ING EVERY NIGHT OR SO. I WAS REMOVED WITH
A VERY SLIGHT SWELLING AT VAPOR END OF
RT. UTERINE HORN WHICH MIGHT OR MIGHT
NOT HAVE BEEN CAUSED BY A NEWLY-IMPLANTED
EMBRYO. AGE # 1053-1058. ♀ HAD BEEN
EVISCERATED (OF STOMACH + INTESTINES) BEFORE
BEING REC'D HERE SO WT. GIVEN IS GUTTED WEIGHT.

STRAWBERRY CANYON, ^{BERRY CANYON} AMADOR CO., CALIF.

JUN 10 SET OUT 30 LIVE TRAPS ^{LAST NITE} IN GRASS ALONG ROAD
100 YDS PAST BOTANICAL GARDENS GATE TOWARDS
CYCLOTRON. SET THEM IN DARK IN CLUMPS OF
3 FT. HIGH GRASS. CAUGHT 2 ♀ MICROTUS, 1 REITHRO
+ 2 SOLEX ORNATUS (BOTH DEAD IN TRAP.) WILL
SAVE MICROTUS TO SEE IF PREGNANT; DISCARDED
REITHRO + PUT UP THE SOLEX. #1060, 1061.
BAIT ROLLED OATS + BIRD SEED. WEATHER
FAIRLY WARM.

1 MI. W BOLINAS P.O., 120⁺ FT., MARIN CO., CALIF.

JUN 15 ARRIVES HERE FOR 6-WEEK STAY TAKING
U.C. ZOO. 112 (MARINE BIOLOGY) COURSE. WM.
HAMILTON III + MY FAMILY ARE STAYING
AT THE "OLD CALKINS HOUSE" AN UN-
FURNISHED BUNGALOW + DOING A LOT OF WORK.



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1 mi. W Bolinas P.O., 120[±] ft., Marin Co., California

JUNE 15
(cont'd)

SNOW ON ALDER ROAD JUST 100 YARDS DOWN HILL FROM THE BOLINAS BEACH CLUB HOUSE. THE TOWN OF BOLINAS IS RIGHT ALONG THE SHORE OF THE OCEAN & INLET TO THE BAY BEHIND STANSON BEACH, BUT OUR HOME IS ON A PLATEAU (THE "MESA") WEST OF THE TOWN PROPER. HOUSES ARE SCATTERED ALL OVER THE MESA BUT ARE MOSTLY AT LEAST 200 YARDS APART. MOST OF THE AREA IS GRASS & BACCHARIS HILLSIDE WITH LITTLE OR NO CUTTING OVER. WE HAVE A SMALL STREAM JUST AT OUR BACK DOOR INTO WHICH THE SINK WATER DRAINS. THE STREAM IS INTERMITTENT - BEING MOSTLY SHALLOW POOLS NOW - BUT FROM THE WOOD WASHED DOWN IT, THE WATER MUST RUN HIGH IN THE RAINY SEASON.

GOT 1 SCORPUS TODAY (APPEARENTLY RUN OVER BY CAR BUT SKINN WAS OK.) ON MESA BUT LEFT THE SMELLY CARCASS OUT & SOMETHING TOOK. BILL HAMILTON FOUND DRICO CARCASS OF ANOTHER IN GRASS BEHIND OUR HOUSE, ALSO GOT 2 HYLA IN GRASS IN YARD. SAW BOTH BIG

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1 MI. W BOWNAS P.O., 120⁺ FT., MARIN CO., CALIFORNIA

JUNE 15
(CONT'D)

AND LITTLE ($\frac{1}{2}$ INCH LONG) HYLA HERE.
ALSO SAW 1 BIG RANA BUT COULD NOT
CATCH. DON'T KNOW SPECIES OF IT.

JUNE 18

BILL HAMILTON CAUGHT A ♀ THAMNOPHIS
WITH EMBRYOS JUST 5 FT ABOVE ~~WATER~~ ^{BOY} ~~WATER~~
LINE ON ROAD BETWEEN STINSON BEACH P.O.
AND THE CUT-OFF TO BOWNAS P.O. TAIL
WAS SLIGHTLY MUTILATED, PRIOR TO CAPTURE
APPARENTLY. ^{LOCATION OF THIS ENTRY ONLY IS;}
1 MI. E BOWNAS P.O., 5⁺ FT., MARIN CO.,
CALIF.

JUNE 20

CAUGHT 1 MORE HYLA UNDER A CARD-
BOARD BOX IN OUR YARD.

JUNE 21

TOOK 1 SMALL LOT (=20⁺) OF SMALL
+ LARGE TRAPPOLES FROM SMALL POOL IN
STREAM JUST BACK OF HOUSE. ALL GIVEN
1 NUMBER. WALKED THRU FIELDS THIS AM.
+ CAUGHT 1 GEORGEHOVOTUS (WITH THE DETAILING
TAIL). + SAW 1 MORE. FOUND ^{5 OLD} OWL PERCHES
UNDER CEDARS AROUND BEACH CAB HOUSE.
HEARD ONLY MICROTUS SKULKS EXCEPT FOR
1 MANDIBLE OF MOE (or REITHRO?). HAVE
SEEN SEVERAL MICROTUS IN GRASSES
OR CROSSING ROADS IN PAST FEW DAYS.
SET OUT 4 MANDIBLE TRAPS IN 2
SETS — 1 IN OUR YARD + OTHER 100 YDS
DOWN ROAD. SAW MANY MOLE RUNS +
MANY HILLS OF DIRT WHICH I THINK
ARE "MOLE HILLS" RATHER THAN GARDEN

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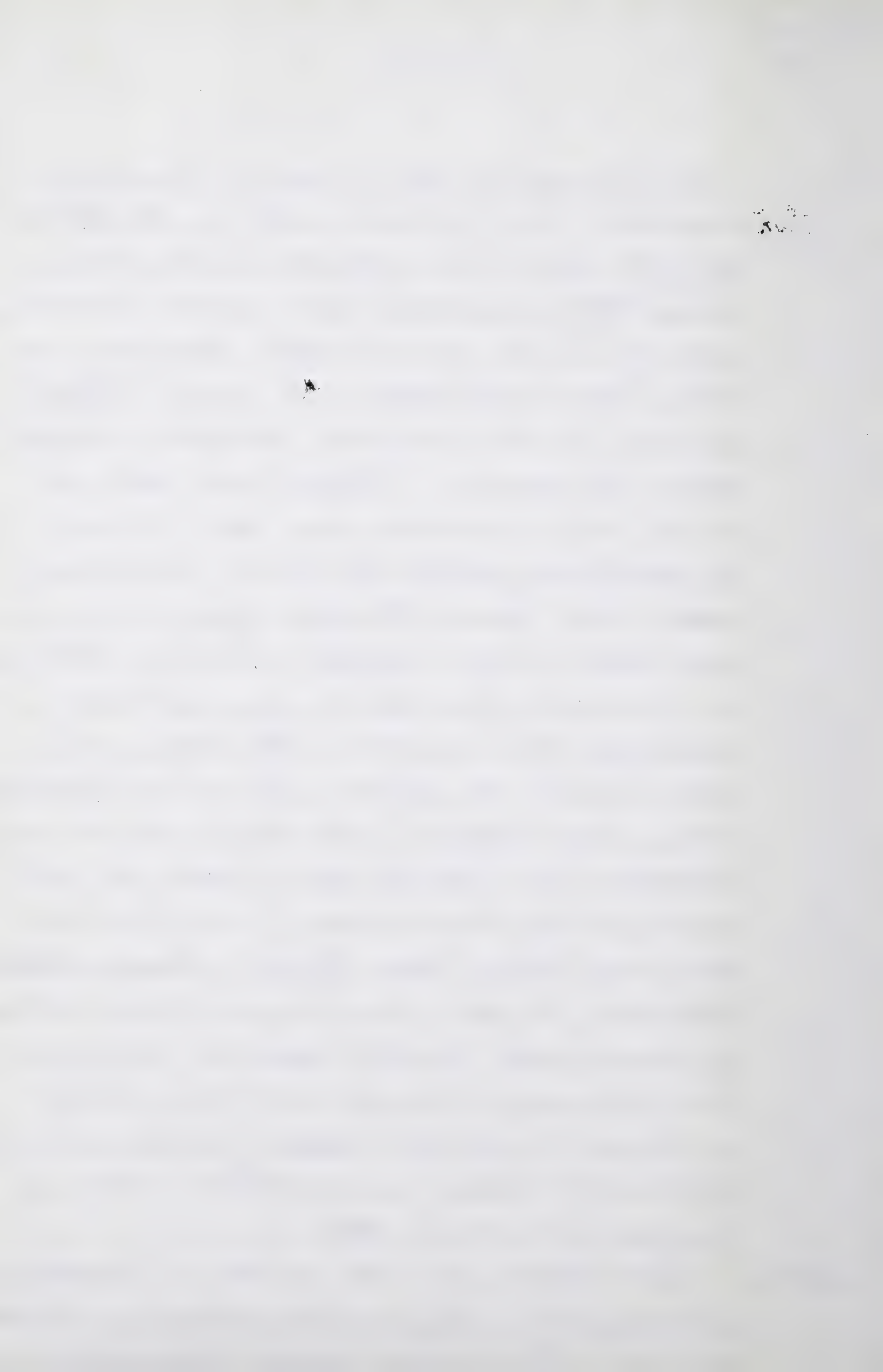
1 mi. W Bolinas P.O., 120[±] ft., Marin Co., California

JUNE 21
(CONT'D)

MOUNDS. 1 OF SETS WAS IN A DEFINITE
GARDEN RUN BUT OTHER MAY HAVE
BEEN ~~IN~~ MOLE WORKINGS SINCE TUNNEL
WAS ONLY A LITTLE OVER AN INCH IN
DIA. SET OUT ABOUT 45 MUS SPECIES
BAITED WITH WALNUTS ALONG CREEK
BACK OF HOUSE. TRAPS SET ABOUT
15 TO 20 FT. APART IN THE THICK
BLACKBERRY, HOTTOR VINE COVERING.
~~ALSO~~ SAW SOME FRESH MOLE WORKING
IN SANDY SOIL ALONG CREEK. WORKING
IN FIELDS (WHERE I DID NOT SET)
SEEMED OLD & DRY. WM HAMILTON
HAS LOST 10 DUCKS (VEGETATION SCREEN
CAME OUT BACK) TO WILD HOUSE CATS
(PROBABLY) OF WHICH AT LEAST 4 DIFF.
ONES HAVE BEEN SEEN (1 EVIDENTLY
HUNTING). BILL SAW COON TRAILS ~~ALONG~~
~~STREAM~~ & AN OLD TIMER SAID COON
RAN THE STAKE BACK OF OUR HOUSE.
WE DID SEE TWO VERY SMALL BUCKS
IN VELVET ALONG ROAD TO PROMISSIN
NURSERY ABOUT 2 MINUTE^(?) OF HOUSE A
COUPLE OF DAYS AGO.

JUNE 22

RAN TRAPS AT 8 AM + GOT 5 MICROTUS,
1 THOMOMYS, 3 Sorex TROWBRIDGEI & 1 NEOTOMA
TRICHUS. PUT UP ANH EXCEPT 3 MICROTUS



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1 MI. W BOWMAN P.O., 120[±] FT., MASON CO., CALIFORNIA.

JUNE 22
(CONT.)

WILL RUN THE LINE OF TRAPS (UNSHIFTED) ^{EXCEPT FOR GOING TO TRAPS} FOR THE REST OF TIME WE ARE HERE + WILL KEEP CHART (SEE NEXT PAGE) OF MICE CAUGHT + PUT UP THOSE THAT I CAN FIND TIME FOR. WILL PUT OUT 4 RAT, 4 MAREBEE + 2 SCHUYLER TRAPS IN VARIOUS SPOTS AROUND HOUSE BUT MAY CHANGE THEIR LOCATIONS OFTEN. WILL USUALLY RUN TRAPS EARLY IN A.M. (7[±] O'CLOCK) AND LATE IN P.M. (7[±] O'CLOCK) + SEPARATE #'S CAUGHT BY ORBOYAN LINE ON CHART. THUS:

A.M.
P.M.

JUNE 26

W^M HAMILTON III CAUGHT ^{ADULT} BATRAMOCCOS IN A BUNCH OF DOUGLAS FIR BOUTHS WHICH HAD BEEN STUCK UP IN WET CREEK BOTTOM ^{BACK OF OUR HOUSE} FOR 2 OR 3 DAYS. (FIR USED FOR FEEDING HIS PHENSAEUS LONGICAUDUS). I DUG IN DAM CREEK BANK AND GOT 2 MORE SMALL ONES + DUG AT ANOTHER SMALL OR MEDIUM SIZED ONE. SAW A SMALL ONE, ^{MINUS TAIL} A DAY OR SO AGO UNDER A LARGE CAN SET ON GRASS IN OUR YARD BUT LOST IT AGAIN IN GRASS. HAVE BEEN LOOKING UNDER SURFACE OBJECTS BUT HAVE SEEN NO OTHER BATRAMOCCOS TO DATE. SO APPARENTLY THEY HAVE DIED IN A LITTLE. OUR CREEK SEEMS THE ONLY WET SPOT FOR A QUARTER OF A MILE OR MORE AROUND + IT IS NOW BEGINNING TO DRY EXCEPT FOR POOLS.

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[JUNE 22 (cont)] 1 MI. W BOWLING P.O., 120[±] FT. MASON CO., CALIFORNIA

	MICROTUS CALIFORNIENSIS	SOREX TROWBROOKI	NEOTOMA GIBBSI	NEOTOMA FUSCIPES	SCAPANUS LATIMANUS	THOMOMYS BOTTAI	REITHRODONTOMYS MEGALOTIS			BREOS & HERR
JUNE 22	5 A.M. 3	3 1	1			1				
" 23	2	1		1						SONG SPAR.
" 24	1		3	1	(MIGRATED)					SONG SPAR.
" 25	1	1 1	2							
" 26			1	1						SONG SPAR.
" 27	1		2 1	1						SONG SPAR. THUNDER BOLT
" 28										SONG SPAR.
" 29		2								
" 30	2									SONG SPAR.
JULY 1	1									
" 2										
" 3				1						
" 4							1			
" 5	1 1		1							SONG SPAR. PUSSETT BARKED THROAT
" 6	1									
" 7	1									
" 8	1 3	2								
" 9		1		2						
" 10										
" 11										
" 12	1									
" 13			1	1						SONG SPAR.
" 14		1 A.M. & P.M.?								
" 15										
" 16			3							
" 17			1		(MIGRATED)					

TODAY
P.M. TRAPS RUN
AT 10 P.M. →

TODAY A.M. →
TRAPS RUN
AT 11:00 AM.

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[JUNE 22 (cont.)] 1 MI. W BOLINAS P.O., 120⁺ FT. MARIN CO., CALIFORNIA

	MICROTUS CALIFORNICUS	Sorex DOWLINGI	NEOTOMUS GIBBSI	NEOTOMA FUSCIPES	SCARPANUS LATIMANUS	THOMOMYS BOITAGI	PEROMYSCUS MELANOTIS		BIRDS & HERP.
4 A.M. TRAPS N AT 1:30 P.M. JULY 18			1						
4 A.M. TRAPS N AT 1:30 P.M. JULY 19		1		1					RUSSET BACKED THROAT SONG SPR.
" 20									
" 21									
" 22									
" 23	TRAPS NOT RUN IN AM						1		SONG SPR.
" 24				2					
(TRAPS PICKED UP AFTER JULY 24 P.M. TRAPS RUN.)									
TOTALS	26	1	14	12	2	1	2		BIRDS (2 HERP) 2

(NOTE: - SEE ANIMALS COLLECTED FROM OWL PELLETS UNDER SPECIES
ACCOUNT OF "OWL" IN MY 1960 FIELD NOTES.)

Dr R.I. SMITH, GIVING THE ZOOL 112 COURSE, WAS ALMOST

CERTAIN A LARGE LONG-TAILED CAT HE SAW ON TEVIS
RANCH (BETWEEN OLEMA & BOLINAS) WAS A YOUNG MT. LION.

- OTHER MEMBERS OF PARTY SEEMED CERTAINLY SURE.

BIRDS SEEN DURING PERIOD JUNE 15, 1958 - JULY 26, 1958, (IN ORDER
OF APPEARANCE !): GOLDFINCH, SONG SPARROW, WHITE-THROATED
SPARROW, W. MEADOWLARK, RED WINGED & BREWERS BLACKBIRDS,
CROW, RAVEN, RED-TAILED HAWK, OSPREY, SCALY JAY, CHIFF
BROWN SWALLOW, GLAUCOUS-WINGED & HEERMANN'S GULLS, BRANT,
CORMORANT, AMER. EGRET, OR-BLUE HERON, BL-CROWNED NIGHT
HERON, KILLDEER, TURKEY VULTURE, RUSSET-BACKED THROAT,
SILVER PLYCATELUS, ALLENS HUM'BIRD, CALIF QUAIL, PHOEBAST,
COW BIRD, PLAIN TITMOUSE(?), MOURNING DOVE, WILSONS WABBLER,
? WREN, WREN TIT, BUSHTIT, ROBIN, SURFBIRDS,
(BLACK OYSTERCATCHERS?).

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1 mi. W BOLINAS P.O., 120[±] ft., Marin Co., California.

JUNE 27 CAUGHT A SMALL THAMNOPHIS IN ONE OF MUS.
SPECIES ON TRAP LINE DURING DAY.

JUNE 28 GOT 2 MORE TRAPS FROM MUE TODAY &
WILL SET OUT WHEN I FIND FRESH MOLE RAYS.
TOOK CAR TRIP NORTH BY WAY OF Pt. Reyes
STATION TODAY, ^{IN A.M.} & SAW ON ROAD TO OLEMA
(3 miles from Bolinas) A SMALL CHIAMUND
UNDER HEAVY EUCALYPTUS STAMPS BESIDE
ROAD. SEEMED VERY TAME & I COULD
ALMOST HAVE HIT HIM WITH A BROOM
HANDLE. ROUGHLY 10 MILES E OF
OLEMA SAW A CITRINUS BECKHOFI ON
FENCE POST. PETE SCHRAMM, A GRAD.
STUDENT IN MAMM., TRAPPED FLEWES
NEAR BOLINAS A FEW DAYS AGO BUT
GOT ONLY REITHRODUS & MICROTUS.

JUNE 29 GOT 2 Sorex newbridgii THIS MORNING
AFTER 3 DAYS WITHOUT CATCHING ANY. THE
LATERAL ♀ WAS CAUGHT BETWEEN 8:00 AM &
10:00 AM THIS MORNING. I RAN TRAPS AT 10:00 ^{A.M.}
(SUNDAY, SO I SLEPT LATE) & FOUND SHREW IN
TRAP THAT WM HAMILTON HAD SEEN EMPTY
AT 8:00 AM.

1 mi. N JENNER P.O., 150[±] ft., Sonoma Co., Calif.

JUNE 29 DROVE TO PHENACOMES LONGICORNIS LOCATION
WITH WM HAMILTON, III, THIS P.M. WORKED



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JUNE 29
(cont'd)

1 MI. N JENNER P.O., 150⁺ FT., SONOMA CO., CALIF.

DOUGLASS FIRS ON THE WINNICK~~S~~ RANCH & GOT 3 ♀ + 1 ♂. BILL KEPT ♀'S + I SKINNED MALE. DON ROBERTS (OF MUSE) + BILL HAVE TAKEN MAYBE 30 OR 40 OR MORE OUT AT THIS LOCATION IN PAST YEAR OR SO. SAW A DARK CHIPMUNK IN THIS LOCATION IN WOODS. BILL SAID HE FOUND DICAMPTODON HERE OCCASIONALLY. THERE IS A GOOD STREAM THROUGH AREA + I SAW SOME TYPE OF A SALAMANDER LARVA IN WATER.

WE ALSO WORKED DOUGLASS FIRS JUST TO RIGHT OF BRIDGE OVER RUSSIAN RIVER (ON SONOMA CO. SIDE) ~~JUST~~ AT BRIDGE ~~ADJACENT~~ (ON MARIN CO. SIDE) + SCORED OUT 1 MOUSE BUT COULD NOT CATCH IT. THIS IS LOCATION WORKED A COUPLE OF YEARS AGO IN PART WITH DR. BENSON. SAW A SCAPARUS DEER + SQUASHED ON ROAD BETWEEN TOMALES + BUSECA.

JULY 6

1 MI. W BOLINAS P.O., 120⁺ FT., MARIN CO., CALIF.

LOST A CAPTIVE, ADULT ♀ MICROTUS CALIFORNICUS (TAKEN ORIGINALLY IN SPEAR-BERRY CANYON, BERKELEY) TODAY SO TO AVOID THE POSSIBILITY OF ACQUIRING IT AS A SPECIMEN FROM MARIN CO., I WILL ONLY PUT UP IMMATURE ~~ANIMALS~~ AND ADULT MALE MICROTUS WHICH I MAY

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Townsend

1 mi. W Bolinas P.O., 120[±] ft., Marin Co., Calif.;

JULY 6
(CONT'D)

CATCH HERE IN FUTURE.

2 mi. W, 4 mi. N Bolinas P.O., 400[±] ft., Marin Co., Calif.

JULY 6
(CONT'D)

FOUND 4 UROCYN(?), 1 TAXIDUS & 5 LYNX
CARCASSES HUNG ON FENCE AT ABOVE LOCALITY.
SPOT IS 5.5 MI. (BY ROAD) N OF BOLINAS P.O.
SAVED ONLY SKULLS & BONE...
APPARENTLY WORK AT "VERMINT" TRAPPER SINCE
UNSKINNED. OLD BONES - APPARENTLY 2 OR 3
YEARS SINCE BEING KILLED. IF I FOUND AN IS
BONE I TIE IT ON TO SKULL. IF CARCASS
STILL FAIRLY WHOLE & NO BONE VISIBLE
I LABELLED SKULL "♀?". IF CARCASS
IN PIECES CANNOT "SEX?"

BOLINAS (ISLAND, 475⁺ 500 FT. N COAST GUARD STA, ~~STATE~~ CALIFORNIA MARSH, 5th MARI CO.,
CALIF.

REC'D JULY 20

GOT A PEROMYSCUS (COLL'D JULY 17, '58) & A THOMOMYS
(COLL'D JULY 19, '58) FROM GEO. F. FISHER (GRAD. M.V.Z.) WHO
TOOK THEM ON SAND ISLAND COVERED WITH SALICORNIA
IN BOLINAS LAGOON.
IN HIGHER SPOTS. THIS ISLAND HAS NO DRY LAND
BRIDGE WITH MAINLAND AND WATER IS ABOUT
4 FEET OR LESS DEEP AROUND PARTS OF IT AT
LOW TIDE. THE SPOT IS SHOWN AS ONE OF
TWO ISLANDS ON TOPO SHEET OF AREA.
RACCOON TRACKS SEEN ON ISLAND BY GEORGE
& SOME ONE IS SUPPOSED TO HAVE SEEN A
DEER SWIMMING OUT TO IT. THERE ARE APPARENTLY
THE ONLY 2 HEARS GEORGE SAW IN HIS STUDY OF FOWLS
AT SALICORNIA MARSH.

A.C. ZIEGLER
1958

Journal

PANOCHÉ CREEK, 550⁺ FT., FRESNO CO., CALIFORNIA

PUT UP
AUG 19

PUT UP 2 DIPLO. NINEBORIOES, AD. HESMANNI & 1
CITELLUS BEECHERI, TAKEN BY VIC LEWIN ON
JAN 29 & 30, 1958 AT ABOVE LOCALITY, FOR MORE
INFO ON LOCALITY SEE NOTES IN THIS JOURNAL
FEB. 4, 1958. THESE SPEC'S FOR PERSONAL COLLECTION.

MOUNTAINEER MINE, T.2S, R.24E, RIVERSIDE CO., CALIFORNIA

PUT UP
AUG 20

PUT UP FOR PERSONAL USE 1 ADULT & 2 YOUNG
MAEOTUS CALIF. & 1 (YOUNG?) MYOTIS ~~WETTER~~ VELVET
OR JULY 18, 1958
CAUGHT BY CHAS. S. THAYER OR MUR, ON MEX
WITH A MR. BOCK FROM DAVIS CAMPOS WHO
IS WORKING ON BAT RESERVES. ~~AT LAST # OF BATS~~
~~WAS~~

TAKEN FROM 2 MINE SHAFTS ABOUT A QUARTER
OF A MILE APART — ~~THE~~ MYOTIS TAKEN FROM
SHAFT AT OR NEAR THE ENTRANCE OF CANYON
IN WHICH MINES ARE SITUATED. MAEOTUS
TAKEN "UP" CANYON A QUARTER OF A MILE OR
SO IN ANOTHER SHAFT. AN ESTESICUS TAKEN
BY THAYER AT FIRST SHAFT ALSO. MINES
ARE NOW RENAMED "NEW ERA" APPARENTLY
SAME LOCATION AS COLLECTED BY MYSELF
ON JUNE 14, 1957 (WHICH SEE IN MY 1957 JOURNAL)

STRAWBERRY CANYON, 850⁺ FT. BERKELEY, ALAMEDA CO., CALIF.

AUG. 30

SET OUT 45 MUS SPEC'S IN LINE LEADING UP
STEADY SLOPE THRU PINES ON N EDGE BOTANICAL GARDEN
FENCE. MOSTLY ON DRY OR MOIST GROUND IN THIN

A.C. ZIEGLER
1958

TOWNSON

Aug 30 (cont.) Strawberry Canyon, 850⁺ ft., Berkeley, Alameda Co., Calif.
Baccharis + Artemisia cover. Has taken Perognathus here before but has not since got only 1 Reithro + a Reithro tail and a Peromyscus rupe also a Wren. Ants were out in force. Full moon up at dusk last AM. Also made 2 two-mus gopher sets within 10 ft. of botanical fence but no catch. Set 2 more traps in fairly fresh runs in moist ground next to fence where Strawberry Creek passes ~~into~~ the gardens. No catch in either of these. Put up only the P. rupe.

4 mi. N, 4½ mi. W Truckhaven, ²¹~~25~~ mi. NW Klamath Falls, Imperial Co., Calif.

Sept 8-9 Left Berkeley at 11:AM Sunday Sept 7, and drove to above locality in International Truck with Dr. Hocking + Dick Berham of MUC. Arrives about 2:00 PM + looked over area along highway west of Stanton Sea. Truckhaven is only a small cafe + gas station with living quarters in rear. Several land development companies are leveling out land to eventually try to build + sell houses on along the sea. Very hot - 108°F in shade. Set about 40 mus traps + rat



SAN DIEGO
Scale: 0 0.5 1 2 3 miles
Copyright © 1958 by Rand McNally & Company
Chicago, Ill. Lithographed in the U.S.A.

See detailed map at left

Return to the left side of the map
See detailed map at left

4 MI. N. 1/2 MI. W. RICHMOND
IMPERIAL Co. Calif.

Scat. 9



nia
(action)
COMPANY

WAYS SHOWN IN RED.
usually less congested.
Airports
State Ports
Points of Interest
Accumulated mileage
shown between points
Mileage shown between
towns and junctions
County Seats
State Capitals
National Parks, Monuments
and Cemeteries
Mexican Numbered Highways
TOWNS.
100,000
10,000
and over
by local option.
0.5 miles.
40 miles
Company

WASH IN FOREGROUND
TAKEN IN THIS PM
LOOKING NW.

A. C. ZIEGLER
1958

TOWNSHIP

4 MI. N, 4½ MI. W TROCKHAUSEN, 2 MI. NW KANE SPRINGS,
IMPERIAL CO., CALIFORNIA.

SEPT. 9



GROUND AROUND CAMP WITH SHALLOW
WASH IN FOREGROUND. PEROGONIA, FERMOUS
TAKEN IN THIS IMMEDIATE AREA, ALSO
COLONY AT NIGHT. PHOTO TAKEN SEPT. 9, 1958
LOOKING NW.

A.C. ZIEGLER
1958

JOURNAL

4 mi. N, 4 1/2 mi. W TRUCK HAVEN, 2 mi. NW KANE SPRINGS, IMPERIAL
Co., CALIFORNIA

SEPT. 9
(cont'd)



AFTERNOON IN THE SANTON SEA DESERT.
15 MINUTES WORK IN THE SUN & WE WERE
READY FOR A BREAK LIKE THIS. PHOTO
TAKEN SEPT. 9, 1958 SHOWING DR. WM Z. WICKER, JR
(HAT) & DICK GETHAM BOTH OF MVZ.

A.C. ZIEGLER
1958

JOURNAL

4 mi. N, 4 $\frac{1}{2}$ mi. W Truck Haven, ²¹~~20~~ mi. NW Kane
Springs, Imperial Co., California.

SEPT. 9 TRAPS AROUND CAMP (TENT 1 MILE W OF
(CONT'D) HIGHWAY ON BULDOZED ROAD.) PHOTO TAKEN
OF AREA LOOKING NW ON SEPT. 9, 1958.
~~JUST~~ GOT 5 PEROMYSCUS FORMOSUS ONLY
BUT OTHER BOYS GOT DIPLO. MESSERIANI.
+ P. PENICILLATUS
+ BES. DEC. DICK CAUGHT CRATONIS COCALES
IN TRAP. ~~ALSO~~ FOUND COLOONY CRAWLING
ALONG BRANCH LAST PM ABOUT 9 OR 10
O'CLOCK. ALSO SET TRAPS AT FOLLOWING
TWO LOCANITIES:

4 $\frac{1}{2}$ mi. N, 3 mi. W
~~4 mi. N, 3 $\frac{1}{2}$ mi. W Truck Haven, 20 mi. NW Kane~~
Springs, Imperial Co., California.

SEPT. 9
(CONT'D)

40 MUS SPECIES & 3 RAT TRAPS GOT
ONLY TWO PEROMYSCUS LONGIMEMBRIS &
AN UNIDENTIFIED IDK. 2 OR 3 OTHER
TRAPS SPRUNG. DR. L. GOT ONLY A P.
MANICULATUS HERE.

4 mi. N, 3 $\frac{1}{2}$ mi. W Truck Haven, ²¹~~20~~ mi. NW Kane
Springs, Imperial Co., California.

SEPT. 9
(CONT'D)

THIS LOCANITY IS JUNCTION OF SMALL
ROAD WE CAMPED ON & HIGHWAY. 20 MUS
SPECIES GOT ONLY A PEROMYSCUS CRINITUS.
DR. L. GOT 3 PEROMYSCUS LONGIMEMBRIS.
(LOCANITIES ARE MEASURED ON AUTO ROAD MILES)
SAW A LARGE BAT AT CRASH TWILIGHT
BUT NONE LATER. MOON ABOUT $\frac{1}{4}$ FULL.

A.C. ZIEGLER
1958

JOURNAL

4 MI. N. 4 1/2 MI. W TRUCK HAVEN ²¹ MI. NW Kane Springs, Imperial Co., Calif.
SEPT. 9 (CONT'D) TOTAL LIST MAMMALS TAKEN AT PRECOURA 3

LOCALITIES ON SEPT. 9:

PEROMYTHUS SPP. — 14

" LONGIMEMBRIS — 3

DIPodomys MERCERI — 7

PEROMYSCUS CRINIVUS — 2

" MANICULATUS — 1

TRUCK HAVEN IS SHOWN ON CERTAIN ^{Calif.} CO. MAPS.
TEMP. VERY HOT 108° or 109° IN SHADE.

3 1/4 MIS., 2 1/4 MI. E Scissors Crossing, ^{Calif.} Eastern Quake Valley, Sand Dunes

SEPT. 10 DROVE TO Eastern Quake Valley & CAMPED UP
A DIRT ROAD 3/4 MI. or so FROM HIWAY. SPOT
IS IN ANZA-BORRERO ~~DESERT~~ STATE PARK. Scissors
CROSSING IS JCT. OF BLACKTAP ROAD & HIWAY
78 & HAS HISTORICAL MARKER TELLING OF
VALLECITOS STAGE STATION etc. Party set
OUT ROUGHLY 100 YARDS AT CROSSING & 150±
AT CAMP. ALL ON SANDY GROUND WITH
AGAVE, CHOLLA, etc. MANY ACTIVE & INACTIVE
BURROWS SEEN. ^{PHOTO TAKEN AT CAMP LOOKING EAST.} ALSO SET 8 or 9 GARDNER
TRAPS AT;

2 3/4 MI. S, 2 1/2 MI. E Scissors Crossing & GOT 3
THOMOMYS.

TOTAL LIST OF MAMMALS TAKEN AT THE
3 LOCALITIES ON SEPT. 10:

THOMOMYS BOTTAE — 2 (SEE 2ND PAGE FOLLOWING)

A.C. ZIEGLER
1958

JOURNAL

3 1/4 mi. S, 2 1/4 mi. E Scissors Crossing, Earthquake Vanner,
SAN DIEGO Co., CALIFORNIA

SEPT. 10
(cont'd)



TRAPPING AREA BESIDE CAMP. MOST
COMMON MAMMALS TRAPPED HERE WERE
PEROGNATHUS LONGMEMBRIS, DIPLO. MEDIANI &
ONYCHOMYS TORRIDUS, TARANTULAS SEEN
AFTER DARK HERE. PHOTO TAKEN SEPT. 10,
1958 LOOKING EAST.

A. C. ZIEGLER
1958

JOURNAL

3 1/2 mi. S 2 1/2 mi. E Scissors Crossing, CASTLE LAKE VALLEY, SAN
DIEGO CO. CALIF.

SEPT. 10
(CONT'D)

<u>PEROGNATHUS</u>	<u>SPP.</u>	—	5
"	<u>LONGMEMBRIS</u>	—	20
<u>DIPodomys</u>	<u>DETLIS</u>	—	1
"	<u>MERRIAM</u>	—	45
<u>PEROMYSCUS</u>	<u>MANICULATUS</u>	—	11
<u>ONYCHOMYS</u>	<u>TARRIUS</u>	—	13
<u>NEOTOMA</u>	<u>LEPIDA</u>	—	1

LOCALITY IS SHOWN ON COPIES OF ENA'S TARD.
BOGGER QUAD. (EDITION OF) 1943.

LEFT ABOUT 6:00 PM OR SO & DROVE ~~THE~~
OVER LABRIN MT. LOOKING FOR POSSIBLE
DIP. MERRIAM SITES — FOUND NONE &
CAMPED AT 9:00 PM AT FOLLOWING LOC.

GRANCLIFF CAMPGROUND, 2 1/2 MI. N BUCKMAN SPRINGS, SAN DIEGO
CO. CALIF.

SEPT 11. TRAP SET OUT 30 OR 35 MUS TRAPS LAST PM
IN BRUSH BESIDE CAMP — GOT 6 PEROMY. DETLIS
& (OR. L. GOT) PEROGNATHUS. SAW 2 WOODRAT
HOUSES BUT 2 RAT TRAPS HAD NOTHING IN
THEM. SAW A SMALL GROUND SQUIRREL THIS
AM & SOME GARDNER WORKING ALONG HIGHWAY
BUT 3 MARRIOTT GOT NOTHING IN A COUPLE
OF HOURS THIS AM. PHOTO TAKEN OF BRUSH
WHERE PEROMYSCUS TAKEN — LOOKING WEST.
VEGETATION: OPUNTS, MANDARINA, ETC. ^{TOWN OF} BUCKMAN
SPRINGS IS SHOWN ON ROAD MAPS BUT TURNED OUT
TO BE ONLY A COUPLE OF FALLEN DOWN BUILDINGS.

A.C. ZIEGLER
1958

JOHNSON

GLENCHIFF CAMPGROUND, 2 1/4 MI. N BUCKMAN SPRINGS, SAN DIEGO
CO., CALIF.

SEPT. 11
(CONT'D)



BRUSH ACROSS GULLY FROM CAMPGROUND.
PEROMYSCUS BOYLEI TAKEN IN BRUSH BUT
NOTHING ELSE. NEOTOMA^(SP?) NEST SEEN UNDER
BUSH IN GULLY. PHOTO TAKEN SEPT. 11, 1958
LOOKING WEST.

A. L. ZIEGLER
1958

JOURNAL

SENO THING VALLEY, 4625 ± FT., SAN DIEGO CO., CALIFORNIA.

SEPT. 11
+ 12

DROVE TO VALLEY IN PM ARRIVING ABOUT 6:00 PM.
SET OUT 40[±] M[±] S[±] S[±] IN ~~WASH~~ ^{WASH} WASH RUNNING
THRU COW PASTURES & HAY FIELDS. ALSO 2
SETS OF Gopher traps, ^{NEXT AM (SEPT. 12)} GOT 4 PEROMYSCUS MANICULATUS,
1 DIPLOPHYLIS, ONE MICROTUS & 1 GOPHER.
ALSO SAW A SURFACE MOWER RUN, TOOK
OPEN ROTTEN LOG & GOT A HYLA. ALSO CAUGHT
2 SMALL VTA BY HAND. SAW MANY GROUND
SQUIRRELS (C. BEECHERI?). SET 20 MUS S[±] S[±] S[±]
ON DRY HILLSIDE BESIDE CAMP & GOT ONLY
A COUPLE OF PEROMYSCUS MANICULATUS & A
DIPLO TAIL TIP. SHOT ~~ABOVE~~ PM OF 11TH BUT
HIT NONE. SAW 3 POREWILLS ON ROAD
& SHOT ONE. OTHERS CANNING BOTH IN AM
& PM. Dick Graham got 2 Peromys
(TRUES??) IN DRY WASH BESIDE CAMP.
UNUSUAL THAT NO PEROMYSCUS TAKEN HERE.
TOTAL PARTY CATCH:

"GOATSUCKER" (SHOT AT DUSK)	—	1
<u>THOMOMYS</u> <u>BOTTAE</u>	—	2
<u>DIPLOPHYLIS</u> <u>ABILIS</u>	—	8 + 1 TAIL TIP
<u>PEROMYSCUS</u> <u>SPP.</u>	—	2
" <u>MANICULATUS</u>	—	15
# <u>MICROTUS</u> <u>SPP.</u>	—	1

LOCALITY IS SHOWN ON COORD. OF ENG.'S TARD.
CUYAHUPE QUAD. EDITOR 02 1944.

A. P. ZIEGLER
1958

JOURNAL

3 1/4 mi. N MANZANITA, 3600[±] ft., MC CAIN VALLEY, SAN DIEGO CO., CALIFORNIA.

SCAT. 12
+13

~~DRIVE~~ HERE IN PM + CAMPED ABOUT 5: PM. SHOT BATS AT DUSK + GOT 1 MYOTIS SUBULANUS, SAW ONLY 2 OTHER SMALL BATS. SET OUT 40[±] MUS SPEC'S + 5 RAT TRAPS ON SANDY SLOPE WITH OAK SHRUBS, SMALL MANZANITA + SOME CHUMPY COMPOSITE. A FEW BARE SPOTS BETWEEN SHRUBS + SOME SMALL DEAD GRASS COVER. ALSO SET 10 MICE TRAPS IN 5 SETS NEAR CAMP. ALSO SET 25 MUS. SPEC'S + 3 RAT TRAPS IN HARBOR PASTURE WITH ONLY SPARSE GRASS IN IT.

LOCALITY IS SHOWN ON MAPS OF ENO'S TOPO. CAMPO QUAS, EDITION OF 1944. PHOTO TAKEN OF OAK, MANZANITA, ETC. SLOPE LOOKING SW. ALSO PHOTO LOOKING N, AT HARBOR PASTURE WHERE 25 ^{MUS SPEC'S + 3 RAT} TRAPS WERE PLACED. IN TRAPS ON MANZANITA SLOPE GOT DIPLO AEOLIS, ONYCHOMYS, ETC BUT IN HARBOR PASTURE GOT ONLY PEROMYSCUS MANICULATUS ALONG FENCE ROW WITH WIND-BLENDED FLOWER STEMS OR SMALL BUSHES. GOT ONLY ONE GARTHER, ~~PEROMYSCUS~~

TOTAL PARTY CATCH:

THOMOMYS BOTTAI ————— 1

PEROMYSCUS SPA ————— 2

PEROMYSCUS LONGIMEMBRIS — 5 (SEE 3RD PAGE FOLLOWING)

A.C. ZIEGLER
1958

JOURNAL

3 1/4 mi. N MANZANITA, 3600[±] ft. MCCAIN VALLEY, SAN DIEGO CO. CALIF.

SECT. 13
(CONT'D)



OAKEN SLOPE WITH PATENCES OF MANZANITA
+ A SMALL OAK OR SO SCATTERED AROUND
ACROSS ROAD FROM CAMP. NEOTOMA (SP.?) DRAGGINGS
SEEN AROUND BASES OF LARGER ROCKS IN PICTURE.
MAMMALS NOT TOO COMMON HERE — DIPLO,
ABYLIS + P. MANICULATUS PERHAPS THE MOST
NUMEROUS — AS SHOWN BY TRAP RESULTS, ANYWAY.
PHOTO TAKEN SECT. 13, 1958 LOOKING SW.

A.C. ZIEGLER
1958

Toucan

3 1/4 MI. N MANZANITA, 3600[±] FT., MCAN VALLEY, SANDIEGO CO., CALIF.

SEPT. 13
(CONT'D)



HORSE PASTURE, ^(BEYOND FENCE) NEAR CAMP. TRAPS HERE
YIELDED PEROMYSCUS MANICULATUS - AND
THESE ONLY SHOW FENCE ROWS. AREA
OUTSIDE OF PASTURE (AS SHOWN IN IMMEDIATE
FOREGROUND) YIELDED SEVERAL SPECIES OF
RODENTS, THO. PHOTO TAKEN SEPT. 13, 1958 LOOKING
NORTH.

L. C. Ziegler
1958

JOURNAL

3 1/4 mi. N MANZANITA, 3500 ± FT., MCAN VALLEY, SAN DIEGO CO., CALIF.

SEPT. 13
(CONT'D)



CAMP SHOWING DR. WM Z. LIGCHER JR. &
DICK GRAHAM^(INT-SHIRT), BOTH OF MUSE. PHOTO TAKEN SEPT.
13, 1958 LOOKING SOUTH.

A.C. ZIEGLER
1958

JOURNAL

2.8 MI. (BY ROAD) SE JULIAN, SAN DIEGO CO., CALIFORNIA

SEPT. 13
(CONT'D)

(EN ROUTE FROM $3\frac{1}{4}$ MI. N MANZANITA, etc TO $1\frac{1}{4}$ MI. N, $\frac{1}{3}$ MI. E AGUACAPULCO, etc.)



VIEW FROM LOOKOUT AREA CALLED
DESERT VIEW, 4631 FT. . BANNER IS IN ABOUT CENTER
OF PICTURE ; SCISSORS CROSSING IN FAR RIGHT.
MOST OF ^{THE} CENTER OF PICTURE IS SAN FELIPE VALLEY.
PHOTO TAKEN SEPT. 13, 1958 LOOKING NE.

A.P. ZIEGLER
1958

Townsend

3 1/2 mi. N Manzanita, 3600± ft., McLean Valley,
San Diego Co. Calif.

SEPT. 13
(CONT'D)

Dipodomys deserti 12

Peromyscus (boylii?) — 1

" (californicus?) — 1

" gambelii — 1

" maniculatus — 15

Onychomys tarsius — 1

Neotoma leucogaster — 1

Packed & left at 1:30 PM. Drove to:

1 1/2 mi. N, 1/3 mi. E Aguanga, 2300± ft., Riverside
Co. California

SEPT. 13/14

Camped beside "BM 2331" as shown
on maps of Eng. Toad Pioneer Mtn.
Quad. (Edition of) 1942. Set traps around
camp and at two other localities
nearby: 1/4 mi. ENE Aguanga, 2500± ft., and 1 mi. SE
Aguanga, 2150± ft., Riverside Co. California.

Saw 2 badgers at dusk but too far away
to get out to them. Also saw 3 large
owls over wheat stubble field below
camp after dusk. Traps began springing
in late dusk so we ran out 3 leopards
at night & again next AM. Caught
large Peromyscus boylii around camp.
Vegetation Opuntia (?), Tucca, & 5 ft. high
broad leaved shrub. 1 photo taken
looking W. near camp where Peromyscus
boylii were common. Caught a

A.C. ZIEGLER
1958

JOURNAL

1 $\frac{1}{4}$ MI. N, $\frac{1}{3}$ MI. E AQUANOA, 2300[±] FT. RIVERSIDE CO., CALIF.

SEPT. 14¹³⁴
(CONT'D)



TRAPPING AREA JUST BEHIND CAMP.
PEROGNATHUS FALLAX VERY COMMON IN ALL
THIS TYPE OF VEGETATION. NEOTOMA (SP?) NEST
SEEN ON GROUND UNDER LARGE BUSH SEEN IN
FAR CENTER OF PICTURE. PHOTO TAKEN SEPT. 14,
1958, LOOKING WEST.

A.C. ZIEGLER
1958

JOURNAL

1 1/4 mi. N, 1/3 mi. E Aguana, 2300± ft., Riverside Co., Calif.
SEPT. 14¹³⁺ LICHANURA ~~IN LAST AFTERNOON OF 13TH~~ ~~AT DUSK~~ WHEN SETTING
(CONT'D) OUT TRAPS. IT WAS DRAPE OVER AN
OPUNTIA(?) WITH ITS HEAD TO GROUND &
DID NOT SEEM TO KNOW I WAS EVER CLOSE
TO IT. GOT A SILVIVORUS D.O.R. NEAR
TOWN OF AGUANA ^(= 1/2 MI. NE AGUANA 2100± FT.) WHEN NEARBY TO
ROAD SIDES. SAW ANOTHER, CRUSHED TOO
BADLY TO SAVE, ON ROAD ALSO. GROUND
IN DARK LOCANITES SANDY WITH SIGN
OF MANY ROSENTH BARRONS, ESPECIALLY IMMEDIATE
ABOUT CAMPSIDE.

TOTAL PREY LIST FOR TOP 3 LOCALITIES:
SILVIVORUS PAUCIPES (D.O.R.) — 2 (ONLY 1 SAUCO)
PEROGNATHUS FALLAX — 123
" LONGIMORBUS — 4
DIPLODONTOMYS BOULIS — 7
" MEXICANUS — 34
REITHRODONTOMYS MEXICANUS — 2
PEROMYSCUS CREMICUS — 24
" MANICULATUS — 12
ONYCHOMYS TORREIOS — 3
NEOTOMA SAP. — 3
" LEPIDA — 2

GUTTED SPECIES AFTER WEIGHING THEM &
BROT THEM BACK TO BERKELEY. DISCARDED
TRAP-DAMAGED SPECIES. LEFT AT 10:30 AM
ARRIVED HOME 9:30 PM.

A.C. ZIEGLER
1958

JOURNAL

2 mi. N St Mary's College, Contra Costa Co., Calif.

Oct. 1

PUT UP A Sorex ornatus FOR ZOO DEPT. COLL. DONATED BY TOM CASE OF MUSE. CASE REPORTED A CAT HAD BROT IT IN, #1319 A.C.Z.

SHELL BEACH, 30[±] FT., SONOMA CO., CALIF.

Oct 7

SAVED A Sorex urodon AS SKULL ONLY - BROT IN BY W^m J. HAMILTON, III OF MUSE WHO FOUND IT DEAD ON OCT. 5, 1958 ON BLUFFS ^{DIRECTLY} ABOVE THE BEACH & SURF LINE AT ABOVE LOCATION. BEACH IS ABOUT 3 MILES OR SO BY ROAD (Hwy 1) SOUTH OF TOWN OF TONNER & IS SHOWN ON CALIF. STATE AUTO ASSOC. MAP OF NORTON BAY COAST. ~~ACQUISITION~~ ACQUISITION FOR MUSE.

"SAN FRANCISCO BAY AREA", CALIFORNIA.

Oct. 17

DR. VSINGER OF U.C. ENTOM. DEPT. DONATED A LASIURUS CINEREUS TO MUSE TODAY - SAID IT DIED WITHIN LAST 2 DAYS, BUT FROM ORIGIN-AL CONDITION SEEMED TO HAVE BEEN DEAD FOR A WEEK. DR. VSINGER SAID AN UNRECORDED PERSON HAD BROT IN BAT JUST ABOUT A MONTH AGO & THEIR DEPT. HAD KEPT IT ALIVE ON VITAMINS, ETC. SINCE IT WOULD NOT TAKE MEALWORMS. THE LOCALITY NOTED ABOVE IS THE ONLY ONE WE CAN GIVE. OTHERWISE - NO OTHER DATA. SAVED AS SKIN & SKULL & ACCESSIONED FOR MUSE. A.C.Z. # 1320.

A.C. ZIEGLER
1958

JOURNAL

ALAMEDA (LAWN AT 1309 SHERMAN ST.) ALAMEDA CO., CALIFORNIA
KILLED Oct. 27. PUT UP SCARABUS FORMICZ TAKEN Oct. 25, 1958
(ALIVE) BY MR. J. E. MCCORMICK ON LAWN OF
HIS HOME. KILLED & WEIGHED Oct. 27 — DR BENSON
HAD PICKED UP THE ANIMAL FROM MR. M^C Oct. 25
AND HAD FED IT SOME DOG FOOD SO IT WAS
STILL ALIVE AT NOON TODAY. WT. MAY NOT
BE TOO RELIABLE, THO, SINCE IT WAS NOT
NOTICED WHETHER THE MONG HAD ATE THE
FOOD THAT IT MIGHT HAVE REQUIRED. NO
WATER FURNISHED IT. DR. B. SAID THE
LAWN ON WHICH IT WAS TAKEN WAS IN THE
CENTER OF A RESIDENTIAL DISTRICT. MR. M^C
CAUGHT IT BY WAITING TIL HE SAW IT
BORROWING (BY DAYLIGHT) AND THEN APPARENTLY
SPRANG IT & DROVE IT OUT. SAID IT HAD
MADE A MESS OF HIS LAWN.

SAN PABLO CREEK (SANT MARIN) RICHMOND, CONTRA COSTA CO., CALIF.
NOV. 9. PUT UP 5 SOLEX VAGANS (DEAD IN LIVE TRAPS)
TAKEN BY GEO. F. FISHER OF MUZ IN THE SAN PABLO
MARSH NEAR (WITHIN 100 YDS, PROBABLY) OF THE
SAN PABLO FILTRATION (OR SEWAGE?) PLANT. ANIMALS
WELL OUT IN ~~SPAD~~ SANICORNIA MARSH. GEO.
ALSO TOOK MICROTUS & 4 OR SO REITHROD —
AT LEAST ONE WITH A VERY RED BELLY.
TRAPPING LOCALITY AS SHOWN ON A CURRENT
CALIF. AUTO. ASSOC. MAP (CITIES OF RICHMOND,

A.C. ZIEGLER
1958

JOURNAL

Nov. 9 (cont'd) SAN PABLO CREEK (SALT MARSH), RICHMOND, CONTRA COSTA CO. (near El Cerrito, San Pablo & vicinity) IS ON ^{SOUTH} SIDE OF SAN PABLO CREEK ABOUT 250-300 YDS SW OF JUNCTION OF COUNTY ROAD NO. 20 AND AN UNNAMED ROAD RUNNING N AND S THRU MARSH.

Nov. 15 1.0 mi. N, 2.0 mi. E MARTINEZ (SALT MARSH) CONTRA COSTA CO. CALIF.
RVT VP 3 SOLEX ORNATUS TAKEN BY GEO. F. FISHER OF MVE IN EXTENSIVE SANICORNIA MARSH. GEO. ALSO TOOK 20⁺ REITHRODUS & 2 MARESS SEE HIS JOURNAL FOR MORE ECOLOGICAL DATA (PROBABLY)

END 1958 JOURNAL

Ziegler, A. C.

1958

Species Accounts

Mammals

A. C. ZIEGLER
1958

Sorex ornatus

(1)

Strawberry Canyon (New Botanical Gardens), Berkeley, Alameda Co., Calif.

FEB 20

PUT UP 4 TRAPLINES IN SNOW & LIVE TRAPS BY F. CAMP & B. TERRELL (STUDENTS IN ZOO 128 CLASS). WITH NOO BELOW JUST WHAT THE HABITAT THEY TRAPPED WAS. 1 OTHER Sorex ornatus DISCARDED BECAUSE OF BROKEN SKULL. FOUND LATERAL GLANDS ^(EXTERNALLY) FUR-COVERED, ON FRANKS OF BOTH ♂ & ♀, ♂ ALONE HAD ~~THE~~ LARGE ^(INTERNAL) GLANDS JUST BESIDE THE ANUS. COULD BE CONFUSED WITH TESTES AT A QUICK GLANCE. ♂ HAD DECIDED "IRON" or "BRASSY" OODS — POSSIBLY FEAR THESE ANAL GLANDS. ♀ VERY ENLARGED BUT NO SCARS OR EMB'S VISIBLE & NO MAMMARY TISSUE. THESE 4 WENT TO DEPT ZOO, 113 STUDENT COLL.

APR 23

ONE TAKEN IN LIVE TRAP — ^{BY FM BYRNES} DEAD IN A.M. ♂ — ANAL ~~GLANDS~~ GLANDS (~~ON~~ DORSAL-LATERAL FROM ANUS & BASE OF TAIL) ALMOST SIZE OF TESTES (3x6mm) NO MARKS OODS TO UNBROKEN GLANDS — PERHAPS SINCE ANIMAL WAS STILL VERY FRESH

JUNE 10

2 DEAD IN LIVE TRAPS TOOTHED UP CYCLOWAY ROAD FROM BOT. GARDENS. STILL HAD FOOD (ROLLED OATS & BIRD SEED) IN MOUTH. BOTH YG. MALES, BOTH 3.3 OMS. TESTES $\frac{1}{2}$ x 1 mm & 1 x $\frac{1}{2}$ mm. ONE SHOWED DEFINITE MOLT PATTERN. CAUGHT ALSO 1 LEITHRO & 2 ♀ MICROTUS CALIFORNICUS.

2 MI. N ST. MARYS COLLEGE, CONTRA COSTA CO., CALIF.

OCT 1

♂ BROT IN BY CAT. TESTES $\frac{1}{2}$ x 1 mm FAID?; NOT FAT;

ANAL GLANDS NOT EVIDENT NO MUSKY OODS; WELL-BITTEN BUT NOT AT ALL EATEN BY CAT.

A.C. ZIEGLER
1958

Sorex ornatus

(2)

Nov. 15

1.0 mi. N, 2.0 mi. E MARTINEZ (SALT MARSH), Contra Costa Co., Calif.
3 ^{OF CALIFORNIA'S SUBSPECIES} TAKEN BY GEO. FISHER OF MUSE IN EXTENSIVE
SANICORNIA MARSH. 1 was ♀ WITH AN "ADULT"
UTERINE TRACT BUT NO MAMMARY TISSUE; 1 was
YG. ♂ WITH $\frac{1}{2} \times 1$ mm TESTES; 1 was ADULT
♂ WITH 1×3 mm TESTES AND ANTRAL GLAND JUST
ABOUT THE SAME SIZE. IT ALSO HAS A VERY
SLIGHT "METALLIC" GLOSS - PROBABLY FROM ANTRAL
GLANDS. NONE OF ANIMALS WAS NOTICEABLY
FAT. ALL HAD BEEN TAKEN IN MUS. SPEC. TRAPS.
GEO. ALSO TOOK 20⁺ PEROMYSCUS (SP?) + 2
MICROTUS. ~~BARROWS ARE~~ # 1328-1330 A.C.Z.

A.C. ZIEGLER
1958

SOREX MOWBRIDGE

1 MI. W BOWMAS P.O., 120[±] FT., MARIN CO., CALIF.

JUNE 22 SEE NOTES & CHART UNDER THIS DATE IN
JOURNAL.

A.C. ZIEGLER
1958

Sorex waikanae

SHELL BEACH, 30[±] FT., SONOMA CO., CALIFORNIA

OCT. 7 ♂ FOUND DEAD ^{OCT. 5} BY WM J. HAMILTON ON TOP
OF BLUFFS ABOVE BEACH. SCRAPED ASER ON
CRANIUM BUT OTHERWISE NO INJURIES.
TESTES 1x1 mm. SLIGHTLY DESICCATED SO WT
MAY BE A LITTLE LOW. INTESTINES (x STOMACH?)
SEEMED TO HAVE FOOD IN THEM. SKULL ONLY - TO MUSE.

SAN PABLO CREEK (SALT MARSH), RICHMOND, CONTRA COSTA CO., CALIF.

NOV. 9 5 TAKEN IN ^{EXTENSIVE} SALICORNIA MARSH BY GEO.
FISLER. ALL DEAD IN SNEWMAN LIVE TRAPS.
1 ADULT, OR AT LEAST MOST DEVELOPED ♀, 1 mm?
♀ + 3 mm. ♂'s (TES $\frac{1}{2}$ x 1 mm). ANIMALS NOT FAT.
NO OBVIOUS ANTRAL GLANDS OR OVARIES. GEORGE ALSO
TOOK HOR 5 REITHRO'S (RAVIVENTRIS?) + MICROTUS.

A.C. ZIEGLER
1958

NEUROTRICHUS GIBBSI

1 mi. W BOLINAS P.O., 120⁺ FT. MARIN CO., CALIF.

JUNE 22 SEE NOTES & CHART UNDER THIS DATE IN JOURNAL. SPECIMEN WAS ♀. BODY PRESERVED IN 10% FORMALIN TO BE SENT TO CLINTON CONNOR LATER AT UNIV. MO.

JULY 3 1 ♀ TAKEN TODAY AFTER 5 DAYS WITHOUT ANY OF THESE SPECIES. THE SHREWMOLE AT THIS LOCATION HAVE VERY LITTLE GREENISH SHEEN OR REFLECTING IN THE FUR.

JULY 16 TOOK 2 ♀ & 1 ♂ LAST NITE IN TRAPPING ALONG WITH 1 ♀ MICROTUS. THIS RUN OF NEUROTRICHUS MAY HAVE BEEN BROT. ABOUT IN SOME (UNKNOWN) MANNER BY HEAVY FOG & SOME POSSIBLE ^{LITE} RAIN LAST NITE. GROUND & FOLIAGE WAS QUITE DAMP WHEN I RAN TRAPS & RAIN FELL LATELY ABOUT 8:30 AM LATER IN DAY — OR THE 3 ANIMALS IN ONE NIGHT MAY JUST HAVE BEEN CHANCE. SEE CHART IN NOTES FOR JUNE 22, 1958, THIS JOURNAL.

A.C. ZIEGLER
1958

SCAPANUS LATIMANUS

STRAWBERRY CANYON, BESSENER, ANIMAS CO., CALIF.

MAY 1

SAW FRESH SURFACE RUN IN LOAM AND
SHADY, DAMP SHADE JUST BEFORE STRAWBERRY
CREEK (STRAWBERRY CREEK?) ON N. SIDE OF U.C.
BOTANICAL GARDEN FENCE. HAD NO MOLT TRAPS
BUT SET 2 MARESCOE GATHER TRAPS IN
RUN AND ALSO 2 MUS. SPECS. 1 MUS SPEC.
THIS MORNING HAD ONLY PUSHED ON TO
IT BUT ^{SUCCESSFULLY} WHERE I HAD DUG INTO RUN TO
WHERE TRAP ~~WAS~~ WAS LEFT OVER ~~THE~~ MOLE
APPARENTLY HAD NOT WANTED TO USE THE
OLD BURROW LINE & HAD REBURROWED (WAS
NITE) UNDER THE TRAP.

1 MI. W. BOLINAS P.O., 120[±] FT., MARIN CO., CALIF.

JUNE 15

SEE NOTES & CHARTS UNDER THESE DATES

& JUNE 22

IN JOURNAL.

JUNE 24

I TAKEN IN MARESCOE HAD 2 SMALL (IMM AD.) TICKS
ON ^(NOT ARM) BACK OF RIGHT "HAND" & 1 ON BACK OF LT. "HAND."

JULY 17

I IN MOLE TRAP THIS AM. SET TRAP IN
A FRESH MOLE SURFACE RUN ABOUT 8 OR 10 DAYS
AGO. ~~IT WAS~~ THE RUN WAS USED DURING THE
NEXT NIGHT, AS SEEN BY FRESH DIRT MILED
UP AROUND EDGES OF TRAP, BUT I HAD FOR-
GOTTEN TO RELEASE THE SAFETY CATCH SO
MISSED THE ANIMAL. I RELEASED SAFETY
BUT GOT NO CATCH UNTIL LAST NITE.

THIS MOLE ALSO HAD SMALL TICKS ON BACKS & "THUMB EGGS"
OF HANDS. ALSO 2 TICKS ON RT. REAR FOOT.

A.C. ZIEGLER
1958

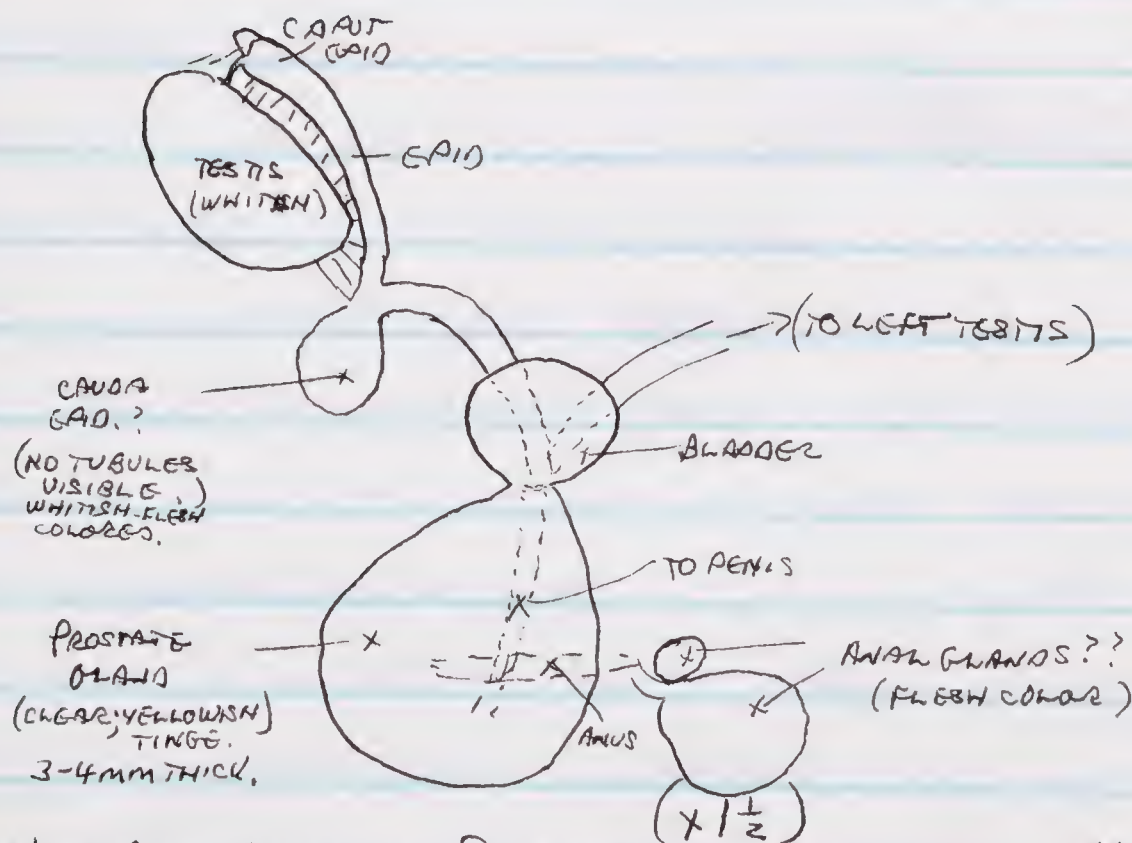
2

SCAPANUS LATIMANUS

ANAMCOA (^{LAWY AT} 1309 SHERMAN ST.) ANAMCOA CO., CALIF.

KILLED OCT. 22

1 TAKEN IN MIDDLE OF RESIDENTIAL DISTRICT,
WT AFTER BEING FEED IN CAPTIVITY FOR 2 DAYS:
50.0 gm, ♂, TESTES 6 x 11 mm. DO NOT QUITE UNDER-
STAND REPRODUCTIVE APPEARANCE BUT WILL MAKE
INQUIRIES & ENTER INFO. LATER. A SLIGHT "METALLIC"
SMELL TO BODY - PERHAPS FLUORESCENT GLANDS.
THIS ^{MORE} IS THE SMALL PACE RESIDING TO
ANAMCOA IS. A.C.Z # 1322.



VENTRAL VIEW OF SCAPANUS A.C.Z. 1322, MICRO-SLIDES
MADE OF SEX ORGANS & NECESSARY GLANDS.

SECTIONING SHOWS CAUD. END PACKED WITH
SPERM & TESTES WITH ONLY RELATIVELY FEW TUBULES
FULL OF SPERM. SPERM:

A.C. ZIEGLER
1958

MAEROTUS CALIFORNICUS

PVT UP
AUG-20 MOUNTAINEER MINE, T. 2S, R. 24E, RIVERSIDE CO., CALIF.

PVT UP 1 ADULT ♀ WITH NO EMB'S OR SCARS
BUT WITH ENLARGED MAMMAE & HEAVY MAMMARY
TISSUE & 2 YOUNG ♀'S — FROM A LARGE
LOT COLLECTED BY CHAS. S. THAGLER ON JULY 18,
1958. (SEE ^{JOURNAL THIS DATE} SPECIES ACCOUNT OF MYODIS VENTROR
FOR MORE INFO.). YOUNG ~~PELAGE~~ "MOUSE"
GREY — ADULT MORE BROWNISH-GREY WITH
CONSPICUOUS WHITE BASES ~~TO~~ HAIRS. 20⁺ SPEC'S
PUT UP BY THAGLER RANGED IN WT. FROM
^{ABOUT} 8.1 TO 13.5 gm. — ♂'S WITH 1 MM. TESTES
WEIGHED UP TO 11.8 OMS & THOSE WITH 3 MM.
TESTES UP TO 13.4 gm SO ~~APPARENTLY~~ ^{APPARENTLY} YOUNG
AND ADULT REPRESENTED IN HIS COLLECTION.
MY ADULT ♀ HAD BEEN FROZEN SO IT MAY
BE DOUBTFUL THAT THE MILKY-BROWNISH
FLUID SQUEEZED OUT OF THE LARGE NIPPLES
WAS ACTUALLY MILK — IF IT WAS NOT, THE
ANIMAL MUST HAVE BEEN JUST ABOUT
POST-LACTATING. THAGLER DID NOT NOTICE
ANY ♀ CARRYING THE LARGE YOUNG BUT
AS BATS WERE SCOOPED OFF CEILING WITH
NET HE MAY HAVE MISSED SEEING THEM
WITH ~~THE~~ CHINGING YOUNG. MAMMAE
THORACIC & WENT OVER TO WING MEMBRANE
& BODY WALL JUNCTION. BOTH MAMMAE ~~SEEMED~~
EQUALLY ^{WELL-} DEVELOPED. NO NOTICEABLE AMOUNT OF
FAT ON ANY OF MY 3 SPECIMENS.

P.C. ZIEGLER
1958

MYOTIS CALIFORNICUS

1 MI. SE INVERNESS, MARIN CO., CALIF.

PUTUP APR. 23

PUT UP FOR DEPT. 200 113 COLL. NO FAT BUT
TESTES ^{TIL DEATH APR. 16, 1958}
GOTTEN CROSSLING SINCE APR. 13, 1958. TESTES
TINY & IN A BLACKISH SHEATH OF SKIN(?) STRETCHING
OUT FROM ABDOMINAL CAVITY, ^{ON OTHER SIDE OF PENIS} TOWARD TAIL MEMBRANE
QUITE DRIED UP.

A.C. ZIEGLER
1958

MYOTIS SUBULATUS

3 1/4 MI. N. MANZANITA 3600± FT., MCAN VALLEY, SAN
DIEGO CO., CALIFORNIA.
SEPT. 11 SHOT 1 ♂ AT "DEER" DUSK TODAY
FLYING AROUND 2 OAKS ON DIRT ROAD.
SHOT TOOK AWAY ALL GUTS + BACKBONE, ETC.,
BUT COULD BE SEXED EXTERNALLY BY ~~LOOKING~~
THIN PENIS. HIGH WIND THIS P.M.; NO MOON
SAW ONLY 2 OTHER BATS + THERE WERE
SMALLISH ALSO.

A.C. ZIEGLER
1958

MYOMYS VENTRI

PUT UP
AUG-20

MOUNTAIN CREEK MINE, T. 25, R. 24 E, RIVERSIDE CO., CALIFORNIA

SEVERAL TAKEN BY CHAS. S. THAYER ON
JULY 18, 1908 ALONG WITH GATESICUS FUSCUS.

~~MASTOMYS VENTRI (?) (WT. 5.5 - 7.5 gm. or so) BUT~~

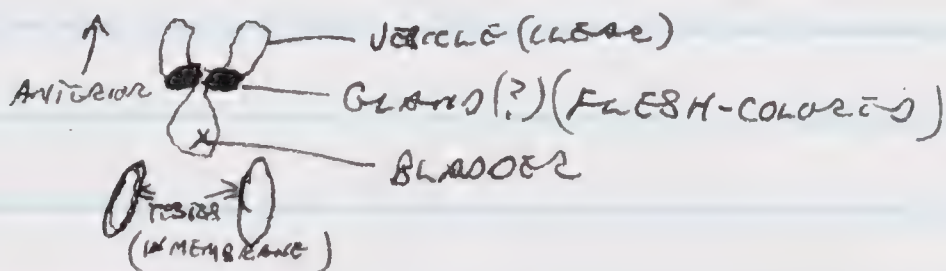
PUT UP 1 FOR PERSONAL USE - ♂ TB 376 + IN
INTERFEMORAL MEMBRANE WT. 7.4 - REST OF
THAYER'S SPECIMENS ABOUT THIS WT. ALSO
(5.5[±] TO 7.5[±] gm) - ONLY 1 ♀ - WT 6.5 NO EMB, NO SCALP.
IN ANOTHER SHIRT LESS THAN $\frac{1}{4}$ MI. AWAY
MANY MAEROTUS WERE TAKEN BUT I AM NOT
SURE WHETHER THERE WAS A COMPLETE
SEPARATION OF THE SPECIES IN THE 2 ADJACENT
LOCALITIES. NO FAT NOTICED ON MY SPECIMEN.

A.C. ZIEGLER
1958

LABIURUS CINEREUS

4 MI. E HAYLAND, 1000 FT., MENDOCINO CO., CALIF.

APR 10. 2 SHOT BY DR. CARL B. KOTZCO AT DUSK
OUTSIDE HIS HOME AT ABOVE LOCALITY. HE
SAID HE HAD SHOT ANOTHER, I THINK, THE
NIGHT BEFORE. I ~~SEEM TO REMEMBER HIM~~
~~SAIDING IT WAS A ♀ BUT I MIGHT BE MISHEARD.~~
THE FORMER 2 WERE ♂, TESTES $1\frac{1}{2} \times 3$ MM,
AND WITH WHAT APPARENTLY WERE SEMINAL
VESICLES FAIRLY LARGE & ALMOST CLEAR.
AT BASE OF EACH OF THESE VESICLES WAS A
ROUND, FRESH-COLORED BODY. THE TESTES WERE
ENLARGED AND PRACTICALLY OUT IN THE TAIL
MEMBRANE. NO FAT NOTICED ON EITHER ANIMAL.
SEMINAL VESICLES & THE ROUND GLANDS(?) AT THEIR
BASES. TWICE NATURAL SIZE, VENTRAL VIEW:



NO EPIDIDYMIS-LIKE BODIES NOTICED ON OR AROUND TESTES.
PUT UP MAY 27 Rec'd 6 more for MUSE from DR. KOTZCO
SHOT BETWEEN APR. 12 AND MAY 19 THIS YEAR.
THE 1 ♀ HAD A VERY SHINY SWELLING AT UPPER END
OF RT. UTERINE HORN WHICH DR. BENSON THOT
POSSIBLY COULD HAVE BEEN A NEWLY-IMPLANTED
EMBRYO. HE SAID ♀ SHOULD BE PREGNANT AT
THIS TIME OF YEAR. ♂ SHOWED $1\frac{1}{2} \times 4\frac{1}{2}$ MM
TESTES AT EDGE OF INTERFEMORAL MEMBRANE,
EPIDIDYMUS THREADLIKE. OTHER GLANDS AS IN DRAWING
ABOVE.

A.C. ZIEGLER
1958

LASIURUS CINEREUS

2.

"SAN FRANCISCO BAY AREA", CALIFORNIA.

OCT. 17

ONE ♀ OBTAINED BY ENTOM. DEPT. OF U.C.
FROM AN UNIDENTIFIED PERSON ON ABOUT SEPT. 17
OF THIS YEAR. WAS KEPT ALIVE ON LAB. LIQUID
DIET SINCE IT WOULD NOT TAKE MOTH WORMS
& DIED OCT. 15[±]. NO EMB'S. QUITE DEBILITATED
SO WEIGHT (^{15.7}~~15.7~~ gm) IS PROBABLY LOW.

A.C. ZIEGLER
1968

HOMO SAPIENS AMERICANUS

①

BROOKS ISLAND, 0[±] FT., CONTRA COSTA CO., CALIF.

JAN 18

DUG OUT SKELETON OF BODY FROM WAIST
+ ELBOWS UP FROM A 12 TO 15 FT. THICK
BANK OF SHELLS + DIAT ON N TIDE ISLAND.
BODY WAS LESS THAN A FOOT ABOVE HI HOE
MARK THIS DAY AT LEAST. PAUL ANDERSON
HAD SEEN DISTAL TIP OF RADIUS, PROXIMAL
TIP OF ULNA + PROXIMAL TIP OF TIBIA
STICKING OUT OF BANK BEFORE + HAD
TAKEN THEM OUT, DUG AROUND SOME
MORE + NOT FINDING ANYTHING ELSE
HAD LEFT BONES 100 FT OR SO AWAY ALONG
BEACH WHERE I FOUND THEM SOMEWHAT
BLEACHED. I SAW, IN THE SPOT PAUL POINTS
OUT, THE ^{DISTAL} TIP OF A HUMERUS STICKING OUT
— ALMOST CERTAINLY OF THE SAME SPEC.
TO WHICH PAUL'S FIND BELONGED — AND ONE
IN HERE. TOP OF CRANIUM POINTED ROUGHLY
W + FACE WAS TOWARDS SOUTH AS SKELETON
LAY ON ITS SIDE APPARENTLY. NO PELVIS
OR LEG BONES FOUND, NOR HAND OR FOOT
BONES — PERHAPS THESE ALL HAD BEEN
WASHING OUT OF TIDE-CUT BANK WHEN
PAUL HAD FOUND THE LIMB BONES. THE
FACT THAT LEGS, PELVIS + ^{MOST OF} DISTAL ARM
BONES WERE GONE MAKES IT APPEAR THAT
PERHAPS SKELETON WAS LYING ON ITS SIDE IN
A ARMS AROUND-KNEES POSITION OR SOME.

A.C. ZIEGLER
1958

HOMO SAPIENS AMERICANS

(2)

BROOKS ISLAND, 0.5 FT., CONTRA COSTA CO., CALIF.

JAN. 18
(CONT)

THING LIKE THIS & WATER HAD WASHED BACK TO A LINE FROM ELBOWS TO LUMBAR VERTEBRAE LEAVING SHOULDERS, CHEST, UPPER ARMS, RIBS, CERVICAL & THORACIC VERTEBRAE & SKULL IN THE BANK.

BODY MAY HAVE BEEN BURIED AT BOTTOM OF AT LEAST THIS SECTION OF MOUND AS IT SEEMED TO BE LYING ON BLACK DIRT WITH SOME MOUND MATERIAL ABOVE & AROUND IT BUT NOT (FOR AT LEAST 4 INCHES - AS FAR DOWN AS I DUG) BELOW IT. FOUND 1 BIRD BONE, PROXIMAL TIP OF DEER ULNA & 2 BONE SCRAPPERS(?) RIGHT IN WITH BONES OF SKEL. NO OTHER BONES (AS MIGHT HAVE COME FROM KITCHEN MIDDEN MATERIAL) FOUND AROUND SKEL, SO I THINK DEER & BIRD BONES & SCRAPPERS MUST HAVE ACTUALLY BEEN BURIED WITH SKEL.

TEETH WERE WORN - NO ALVEOLAE FOR ROOTS OF LEFT UPPER M³. Rt ¹/₂ or LESS OF MANIBLAE GONE & EVEN THO I DUG CAREFULLY AROUND THE MAIN PART OF DENTURE I DID NOT SEE THE MISSING AEE. WITH TRY TO GET DATA FROM ANTHROP. DEPT. ON THE SPECIMEN.

FOUND UPON COMPARING BONES DUG UP ~~AB~~ ABOUT 1 TO 2 FT. DOWN FROM TOP OF MOUND ON EXPOSED SIDE

A.C. ZIEGLER
1958

(3)

HOMO SAPIENS AMERICANUS

BROOKS ISLAND, 0⁺ FT., CONTRA COSTA CO., CALIF.

JAN. 18
(CONT.)

ABOUT 50 TO 75 FT. AWAY FROM OTHER SKELETON THAT THEY WERE MOSTLY BONES OF A HUMAN FOOT (TARSALS, METATARSALS, CUNEIFORM & PHALANXES) BUT ALSO INCLUDED DISTAL TIP OF (PROBABLY) CLAVICLE & THE SIDE OF THE RIGHT ORBIT OF SKULL (= PART OF JUGAL) ALSO FOUND CHARCOAL AMONG BONES & AN OLD STYLE CORK $\frac{1}{2}$ PT. WHISKEY BOTTLE AND A SAWED PIECE OF SHEEP(?) VERTEBRA. SEEMS AS IF GARBAGE HAD BEEN MIXED IN AT A LATER DATE WITH AN OLD INDIAN BURIAL. A HOLE 2 FT. ACROSS & 2 FT. DEEP HAD ALREADY BEEN DUG JUST BELOW THE BONES I FOUND AND, AS THE JUGAL FRAG. SHOWED ~~ABOVE~~ & BLEACHING IT MIGHT HAVE BEEN PART OF A SKULL DUG OUT OF THIS HOLE BEFORE. THIS PART SKELETON WAS ABOUT 5 FT. ABOVE THE LEVEL OF THE FIRST ONE DUG OUT BUT ONLY A FOOT OR SO FROM TOP OF MOUND SINCE MOUND HAD "THINNED" DOWN TO ABOUT 6 OR 7 FT. HIGH AT THIS SPOT. THESE LAST-MENTIONED FRAGS GIVEN ONE # (A.C.Z. 994) ALTHO THEY MIGHT NOT BELONG TO JUST ONE INDIVIDUAL. SKULL & PART SKEL. MENTIONED ON PRECEDING PAGES IS # 993 A.C.Z.

FEB 9

DUG UP AN INFANT AND AN ADULT SKELETON TODAY AND ALSO COLLECTED REST OF SKELETON FOUND BY PAUL ANDERSON LAST WEEKEND. SEE MY JOURNAL THIS DATE FOR FURTHER INFORMATION.

A.C. ZIEGLER
1958

HOMO SAPIENS AMERICANUS

BROOKS ISLAND, $5 \pm$ FT., CONTRA COSTA CO. CALIF.

MAY 2 1 OLD ADULT SKEL FOUND BY FLO
ANDERSON & DIG OUT BY MYSELF. MOST OF
LONG BONES APPARENTLY WASHED OUT ANDERSON
AS I GOT ONLY SKULL, RIBS, ~~VERTE~~ & SOME
EXTREMITY BONES. SKULL WITH NO DIRT
INSIDE BUT LOWER JAW PUSHED INTO
FACE. SKULL CAME OUT IN PIECES. NO MANDIBULAR
FACTS. FACE TOWARDS THE SOUTH & UPRIGHT.

A. C. ZIEGLER
1958

SYLVIA AUSUBONI

$\frac{1}{2}$ MI. NE AQUANGA, 2100⁺ FT.,
 ~~$\frac{1}{4}$ MI. N, 3 MI. E AQUANGA, 2300⁺ FT.~~ RIVERSIDE CO., CALIF.

SEPT. 14. 2 FOUND D.O.R., + ONE SAVED. RUFOUS
PATCH BEHIND EARS QUITE EVIDENT ON THE
SPECIMEN PRESERVED. APPARENTLY KILLED BY
AUTOS BETWEEN DUSK AND 10 AM. TODAY.

A.C. ZIEGLER
1958

CITELLUS BEEMERI

put up
Aug 19

PANOCHE CREEK, 550[±] FT, FRESNO CO, CALIFORNIA.

1 TAILED BY V.C. LEWIN JAN 30, 1958 + KEPT
IN FREEZER TIL NOW. TESTES 12 x 20 mm BUT
EPIDIDYMIS WITH NO SIGN OF ENLARGED TUBULES.
TESTES SCARCE. NO SUBCUTANEOUS FAT.

A.C.Z. FOLLO
1958

Citellus nelsoni

PJTUP
FEB 4

8 mi. E, 5 mi. N Mercury Hot Springs, ~~8~~ 4500⁺ ft, Fresno Co., Calif.
PUT UP ♀ (NO EMB'S) FOR MUSE SHOT BY V.C.
LEWIN & DUG OUT OF HOLE BY VIC & BILL MANGIS.
VAGINA HAS WHITE COAT ON CALCULATED WALLS
WHICH SLOUGHED OFF IN 1 PIECE. HORNS OF
UTERUS 3 OR 4 MM IN DIA & QUITE LONG -
LOOKED LIKE INTESTINE RATHER THAN UTERUS.
ANIMAL NOT FAT. VIC LEWIN & W.M.J. MANGIS
FIELD NOTES SHOULD GIVE HABITAT DATA.

A.C. ZIEGLER
1958

①

THOMOMYS BOTTAI

12 MI. SE (BY ROAD) PSICINES, SAN BENITO CO., CALIF.

JAN 31

3 TAKEN 20 TO 30 FT. AWAY FROM ROAD
BESIDE WIRE FENCE IN RIDGE OF DIRT COVERED
WITH THICK 1 FT. HIGH GRASS. ONLY 1 HOLE HAD
FRESH DIRT THROWN UP ABOUT IT BUT INACTIVE-
LOOKING BURROWS TOOK 2 OF THE 3 ANIMALS.
BURROWS WERE RELATIVELY BIG - BETWEEN
 $3\frac{1}{2}$ + 4 IN. IN DIA. BUT GARDERS WERE NOT
ESPECIALLY BIG. ANIMALS SEEMED RATHER
BRIGHT BROWN ON THE ANTERIOR END +
BACK. SOIL WITH A SMALL AMOUNT OF GRASS
IN IT, DAMP AND BROWN, ^{ON OTHER SIDE OF FENCE} COLORED. NO BURROWS
WERE NOTICED IN THE FIELDS ~~TO~~ TO EITHER SIDE
OF ROAD. THERE WAS VERY SHORT, OR NO, GRASS
+ WERE PROBABLY GRASS BY CATTLE AND/OR
SHEEP. ONLY 6 TRAPS WERE SET OUT IN 4 OR
5 SETS. OTHER ANIMALS TAKEN IN AREA - DIPLO
HELMANNI, PEROMYSCUS MANICULATUS, REITHRO
+ NEOTOMA LEPIDA. SAW BEAR TRACKS ALSO.
MANY NICE ON THE GARDERS.

SWAN CREEK CANYON, BERKELEY, ALAMOGADO CO., CALIF.

MAR 1

PUT UP A SMALL ONE CAUGHT ^{IN BURROW} ~~AND~~ GRASSY
SPRING SHADE TO N. SIDE OF U.C. BOTANICAL
GARDENS FENCE. NO FRESH WORKINGS SEEN ^{LAST PM.}
- THOSE NOTICED WERE A DAY OR SO OLD.
AFTER PICKING UP TRAPS THIS AM. SAW
FRESH WORKINGS AT ANOTHER SET BUT TRAPS SET

A.C. ZIEGLER
1958

THOMOMYS BOTTAI

(2)

MAZ1, (CONT.)
STRAWBERRY CANYON, BERKELEY, ALAMOGORDO CO., CALIF.
THERE WERE ^{BRICK} ~~INSPIRING~~ ~~AND~~ AS FILLED WITH
DIRT & SPRUNG BY GARDNER. HAD HEAVY SAND
AND HARD WEED.

2 $\frac{3}{4}$ mi. S, 2 $\frac{1}{2}$ mi. E Scissors Crossing, Fortovale Valley, San Diego Co., CALIF.
SEPT. 10 3 TAKEN IN SANDY, LIGHT BROWN LOAM AND A
EDGE OF HIGHWAY. BRED OF HIGHWAY WAS GRAZED
CATTLE LAND BUT SAW NO MOUNDS ~~ANYWHERE~~
OUT IN THE FIELDS BUT TWO TOPOGRAPHY SEEMED
SIMILAR. THESE ~~GARDNER~~ BURROWS WERE
FROM 8 INCHES TO A FOOT OR SO UNDER
THE GROUND & SEEMED LARGE IN DIAMETER
FOR THE ANIMALS WE CAUGHT. ONE GARDNER
(OR L'S #) HAD AN EXCEPTIONALLY LONG THICK
TAIL.

SEMO THING VALLEY, 4625 \pm FT., SAN DIEGO CO., CALIFORNIA
SEPT 12 DR. L & I TOOK 1 EACH IN SANDY SOIL
ANIMALS FAIRLY SMALL. RUNS ABOUT
8-10 INCHES BELOW GROUND. SEEMED TO BE
ONLY A SMALL AMOUNT OF FRESH
WORKING VISIBLE IN PART OF VALLEY WE
NEARBY.

3 $\frac{1}{4}$ mi. N MANZANITA, 3600 \pm FT., MC CAN VALLEY, SAN DIEGO CO., CALIF.
SEPT. 13 SAW SEVERAL SETS OF DIGGINGS BESIDE
ROAD THRU VALLEY NEAR CAMP BUT NONE IN

A.C. ZIEGLER
1958

THOMOMYS BOTTAE

(3)

3 1/4 MI. N MANTANITA, 3600± FT., MCAN VANNER, SAN DIEGO CO. CALIF.

SEPT. 13
(CONT'D)

A BRIEF SEARCH AT THE FENCED-AFF HORSE PASTURES FURTHER BACK FROM ROAD. MADE 5 SETS & GOT ONLY 1 ANIMAL OVERNITE. RUNS ABOUT 8" TO 12" BELOW THE SURFACE & RATHER SMALL IN DIA. DIRT MOUNDS UP BY GARDENERS WAS DRY ABOUT SO IT WAS HARD TO TELL IF WORKINGS WERE 1 DAY OR 1 WEEK OLD. GARDENERS CAUTION WAS RATHER SMALL. GROUND, EVEN WHEN DAMP, DID NOT SEEM TOO HARD. PROBABLY NOT AS HARD AS THE GARDEN. SOAKING WET, THO, MIGHT HARDEN IT CONSIDERABLY.

A.C. ZIEGLER
1958

Perognathus Parus

①

Scissors Crossing Earthquake Valley, San Diego Co., Calif.

Sept. 10 Took ^{total of} 3 or 4 of this animal at Crossing
& at $3\frac{1}{4}$ mi. S, $2\frac{1}{4}$ mi. E Scissors Crossing. SO
WAS A RELATIVELY SCARCE ANIMAL. TAIL
SEEMS NOT TOO LONG & ~~FEEL~~ HAS LONG
WHITE SPINY HAIRS ON RUMP.

DR. BENSON SAYS, COMPARED TO Californicus
Parus HAS SOFTER RUMPS PILES (can't
HARDLY BE FELT AT A TOUCH) AND
HAS A SHORTER EAR (9-10mm compared
TO 11⁺mm FOR Californicus.)

(SEE NEXT PAGE)

A. L. ZIEGLER
1958

(2)

PEROGNATHUS FANNING

1 1/4 mi. N, 1/3 mi. E Aguanga, 2300± ft. Riverside Co., California

SEPT. 14 TOOK APPRX. 130 OF THIS SPECIES IN 3 LOCATIONS AROUND AGUANGA LAST NIGHT & THIS AM. BY FAR THE MOST COMMON MOUSE HERE. STARTED CATCHING THEM WHEN IT WAS BARELY DARK. MANY HAD LONG, QUICK WHITE-BODIED TAILS ON THEM. BROT SOME INTO ~~AREA~~ ENTOMOLOGIST DOCT. BUT THEY WERE NOTHING UNUSUAL APPARENTLY. MOST OF THE PEROGNATHUS SEEMED ADULT SIZE. ROUGHLY 1/4 TO 1/3 HAD LOST A NOTICEABLE PORTION OF END OF TAIL. WE DISCARDED MOST OF THESE "SHORT-TAILED" ANIMALS SO THE SPECIMENS PUT UP DO NOT GIVE AN ACCURATE PICTURE OF VARIATION IN TAIL LENGTH IN THIS PEROGNATHUS. BURROWS INTO GROUND ABOUT 1 1/2 IN. IN ~~THE~~ WERE NOTICE ON ABOUT EVERY SQUARE YARD OR SO OF GROUND ABOUT CAMP. ANOTHER FEW BURROWS WERE SEEN ON THE VEGETATION ^{AND LITTLE WOODS} ~~ALONG~~ ^{ON} ~~THE~~ ^{THE} ROAD RUNNING THRU TRAPPING AREA, NEAR CAMP. THESE MICE WERE ~~NOTICEABLY~~ ^{REPRODUCTIVELY} SCARCER ^{ALTHOUGH MANY TAKEN} IN THE OTHER TRAPPING LOCATIONS (1/4 mi. ENE AGUANGA, 2050± ft. AND 1 mi. SE AGUANGA, 2500± ft.) WHERE THE GROUND TENDED TO BE OF LOOSER SAND AND/OR LESS COVERED WITH THE DESERT VEGETATION. OTHER MAMMALS TAKEN WHERE THE PEROG. WERE THICKEST WERE DIPLO MASTOMYS, DIPLO DACTYLIS AND 1 ONYCHOMYS, ALSO 1 PEROM., MANICULATUS + 1 PEROM. CRINICUS. SEEDS OF OPUNTIA (?) FOUND IN CHEEK POUCHES OF ONE.

P.C. ZIEGLER
1958



PEROGNATHUS FORMOSUS

①

4 MI. N, 4 $\frac{1}{2}$ MI. W DEUCKHAVEN, ²¹ ~~MI.~~ N. W. KANE
SPRINGS, IMPERIAL CO., CALIFORNIA.

Sept 9 3 OF US TOOK 8 OR 9 ^{OR MORE} ~~PEROGNATHUS~~ ~~COMPS~~
ALONG WITH DIPLO MESSIAE & ONE
P. PENICILLATUS. NONE BREEDING.

(NOTE: SEPT 24, 1958 — 7 OF PEROGNATHUS TAKEN
WERE P. FORMOSUS & 5 WERE P. PENICILLATUS
AS IDENTIFIED BY DR. BENSON AT MUSE. I TOOK
5 OF THE FORMOSUS BUT NONE OF THE
PENICILLATUS — IT IS HARD TO ^{VISUALLY} ~~DIFFERENTIATE~~
ANY DIFFERENCE IN THE AREAS THE
THREE OF US TRAPPED SINCE THE 3 LINES
WERE ^{ALL} WITHIN A RADIUS OF 50 \pm YARDS FROM
CAMPSIDE IN AREA THAT LOOKED QUITE
UNIFORM. MY TRAPS MAY HAVE BEEN
SET MORE IN THE OPEN THAN THOSE
OF OTHER TWO TRAPPER, WHO SET THEIR
IN MANY INSTANCES AT OPENINGS OF
BURROWS AND/OR UNDER BUSHES. I TOOK
NO DIPLO MESSIAE WHILE DR. L & Dick
TOOK 7. ~~Dr.~~ DR. B. SAYS FORMOSUS MAY BE
TOLD FROM PENICILLATUS BY THE PERMITS
LONG POINTED EARS, HARKER TAIL & ^{STRAIGHT} ~~HARKER~~
BAEULUM. [PENICILLATUS HAS SHORT ROUNDED EARS & ^{HOOKE} ~~HARKER~~
~~Baeulum~~]

TAIL: FORMOSUS 
PENICILLATUS 

FORMOSUS MAY BE TOLD FROM BAYLEYI BY

A.C. ZIEGLER
1958

PEROMYSCUS FORMOSUS

(2)

4 mi. N, 4½ mi. W TRUCKHAVEN, ²¹~~30~~ mi. NW VANCE SPRINGS, IMPERIAL Co.,
CALIF.

Sept. 9
(cont'd)

FORMOSUS' smaller size ~~large~~ POINTED EARS
[INSTEAD OF SHORT ROUNDED ONES] SKULLS ARE
DIFFERENT ALSO WHISKER CHECKS. PREVAIL
OF BATHILL IS STRAIGHT -



P.C. ZIEGLER
1958

PEROGNATHUS LONGIMEMBRIS

#1 3 mi. N, 3 mi. W VANDERBILT, IMPERIAL CO., CALIFORNIA.
IMPERIAL CO., CALIFORNIA

SEPT. 9 TOOK 2 IN NINE OF 40 TRAPS BAITED
WITH ~~PEAS~~ ~~PEAS~~ OATS. I WAS YOUNG, ALSO
~~DICK & DICK GRAYSON~~ TOOK 1022 AT
4 mi. N, 4 1/2 mi. W NEW HAVEN.

SCISSORS CROSSING, EAST LAKE VALLEY SANDHILL CO. CALIF.

SEPT. 10 SEVERAL TAKEN AT THIS LOCALITY & SEVERAL
AT 3 1/4 mi. S, 2 1/4 mi. E SCISSORS CROSSING. A FAIRLY
COMMON ANIMAL HERE. FOR LIST OF OTHER
MAMMALS SEE JOURNAL THIS DATE.

3 1/4 mi. N MANZANITA, 3600[±] FT., MCALPIN VALLEY, SAN DIEGO CO., CALIF.

SEPT. 13 ONLY 2 OR 3 TAKEN AT THIS LOCALITY &
THESE ON THE SAND & GRAVEL SHOES - NOT
IN THE HORSE PASTURES.

1/4 mi. ENE AGUANGA, 2050[±] FT., RIVERSIDE CO., CALIF.

SEPT. 14 1 TAKEN AT THIS LOCALITY & 3 ^(2 IN 40 TRAPS) IN

~~2000 FT.~~ TRAPS AT 1 mi. SE AGUANGA 2150[±] FT.

NONE AT 1 1/4 mi. N ^{1/3 mi. E,} AGUANGA 2300[±] FT. THE LATTER

LOCALITY WAS QUITE SIMILAR TO FIRST TWO
BUT PERHAPS LACKED THE MORE OPEN SPACES
OF THEM. OTHER MAMMALS TAKEN ALONG WITH

PEROG. LONGIMEMBRIS WERE PEROG. FALCATUS, PEROG.
MONICERUS, ^{PEROG. CRYPTICUS,} & D. PO. MESS. AM. PEROGNATHUS
FALCATUS WAS MOST COMMON AT 1 1/4 mi. N AGUANGA 2300[±] FT.

A.C. ZIEGLER
1978

Dipodomys deserti

Scissors Crossing, Fort Huachuca Valley, San Diego Co., Calif.

SEPT. 10 ONLY TAKEN IN SAND WASH. — MANY Dipodomys merriami HERE TOO. THIS WAS ♀ WITH NO EMB'S. 5-TOED WHILE merriami 4 TOES. ALSO deserti HARBOR, DARKER & LONGER-TAILED.

SENO THING VALLEY, 4625⁺ FT., SAN DIEGO CO., CALIFORNIA

SEPT. 12 PARTY TOOK SEVERAL AT THIS LOCATION ALONG WITH Perom. maniculatus & Thomomys bottae. MOST WERE YOUNGISH BUT 1 ADULT ♀ WAS CLOSE TO TERM.

3 1/4 MI. N MANZANITA, 3600⁺ FT., MC CAIN VALLEY, SAN DIEGO CO., CALIF.

SEPT. 13 SEVERAL TAKEN BY PARTY ON THE SAND & GRAVEL SHOALS WITH oak shrubs, manzanita & CLUMPS OF SOME Camposite. OPEN SPACES BETWEEN STANDS OF VEGETATION MIGHT AVERAGE ABOUT 6' IN DIAMETER. GROUND FAIRLY SOLID — PRETTY FIRM TO HOLD UP A BOREWORM. Dipodomys merriami SEEMS TO BE ABSENT FROM THIS VALLEY. OTHER MAMMALS TAKEN WITH deserti WERE Perom. longimembris Oryzomys AND Peromyscus maniculatus.

1 1/4 MI. N, 1/3 MI. E AGUANGA, 2300⁺ FT., RIVERSIDE CO., CALIFORNIA

SEPT. 14 A FEW TAKEN AT THE 3 LOCALITIES AROUND AGUANGA.

MOSTLY IN AREAS WITH MORE VEGET. COVER AND FIRMER GROUND THAN THAT IN WHICH MOST D. merriami WERE TAKEN.

A.C. ZIEGLER
1958

DIPodomys DEBERTI

1 MI. E, 2 MI. N TRONA (SAN BERNARDINO CO.) ^{1700 \pm FT.} INYO CO., CALIF.

JAN 30

2 TAKEN BY DR. W.B. QUAY LAST NITE IN
LARGE SHERMAN & LARGE HAVANAST PADS,
ON SMALL SAND DUNES IN LOWER AREA AT
NEW SEARCHER HOLE. I GOT 1 DIPLO MORMON
IN SAME GENERAL AREA BUT NOT ON TOP
OF SAND DUNE. DEBERTI HOLES ARE 3 \pm IN.
IN DIA. & DID NOT SEEM TO BE CLOSED. RATS
BANGED UP NOSE JUMPING IN WIRE MESH
HAVANAST. PADS. DR QUAY USUALLY SETS
CLOSE TO MOUTH OF BURROW BUT GOT ONE
OF HIS 2 ON TOP OF SMALL DUNE WITH NO
HOLES NOTICEABLE NEARBY.

A.C. ZIEGLER
1958

DIADOMYS HEERMANNI

12 MI. SE (BY ROAD) PAICINES, SAN BENITO CO., CALIF.

JAN 31 DR QUAY TOOK 2 ANIMALS THAT TO BE THIS
SPECIES ON GRAVELLY SOIL AMONG ARTEMISIA
+ OTHER BUSHES. HOLES 1 $\frac{1}{2}$ OR 2 IN. IN DIA. NOTES
IN DIRT + GRAVEL SOIL BUT ONLY 1 HAD FRESH
DIRT IN FRONT OF IT. DR. Q. ALSO TOOK 1 PEROMYSCUS
MANICULATUS + 1 REITHROD. IN THIS AREA. I GOT
P. MANICULATUS, REITHROD., NEOTOMA LEXIA +
3 THOMOMYS. BRITE MOON LAST NITE +
DOWN CLOSE TO FREEZING.

PANOCHE CREEK, 550 \pm FT, FRESNO CO, CALIFORNIA

PUT UP
AUG 19

1 ♀ TAKEN JAN 29, 1958 BY VIC LEWIN HAD ENLARGED
MAMMAS ~~AND~~ MAMMARY TISSUE + 2 RT, 2 LT. SCARS.

J.C. ZIEGLER
1958

DIPodomys merriami

①

1 mi. E, 2 mi. N TROYA (SAN BERNARDINO CO.), 1700[±] FT., INYO CO., CALIF.
JAN 30 1 TAKEN IN LIVE TRAP LAST NITE IN FLAT
COUNTRY WITH SMALL BUSHES SPACED 10⁺ FT
APART. ONLY OTHER MAMMALS TAKEN HERE
WERE 2 DIPLO DORSETI BY DR. W. D. QUAY ON
SAND DUNES

4 MI. ~~W~~ 4 1/2 MI. W TRUCK HAVEN, ²¹ MI. NW KANE SPRINGS
IMPERIAL CO., CALIFORNIA.

SEPT. 9. DR. L. & D. C. GERMAN TOOK 5026 HERE
ALONG WITH P. CRINITUS AND SEVERAL
PEROGNATHUS ———; ~~1020~~ AND 1022
P. LONGIMEMBRIS.

3 1/4 MI. S 2 1/4 MI. E SCISSORS CROSSING, CASTROVILLE VALLEY
SAN JUAN CO., CALIFORNIA.
SEPT. 10 PARTY TOOK 45 ~~ROTON~~ AT ABOVE LOC. &
AT SCISSORS CROSSING. VERY COMMON.
SEE JOURNAL FOR OTHER SPECIES TAKEN.
MANY BURROWS OF DIPLO'S(?) & PEROGNATHUS?
SEEN.

1 1/4 MI. N, 1/3 MI. E ARVANDAS, 2300[±] FT., RIVERSIDE CO., CALIF.
SEPT. 14 SEVERAL TAKEN IN 3 AREAS TRAPPED IN VIC.
OF ARVANDAS. SEEMED TO PREFER SANDY AREAS
IN SOME INSTANCES RATHER THAN FIRMER GRASS
WITH MORE VEGETATION — BUT IT WAS TAKEN IN
ALL TYPES OF MICROHABITATS TRAPPED EXCEPT IN
LUSH GRASS AROUND A WATERING TANK. OTHER MAMMALS

A. L. ZIEGLER
1958

Diposaurus merriami

(2)

SEPT. 14
(cont'd)

1 1/4 mi. N. 3/4 mi. E Arroyo, 2300± ft. Riverside Co. Calif.

WHICH SEEMS TO BE CLOSELY ASSOCIATED
WITH IT WERE Diposaurus AND Perognathus
parvus. SEVERAL OF D. merriami TAKEN
WERE YOUNG INCLUDING ONE SHOT JUST
AFTER DUSK WITH AID OF FLASHLIGHT.

A.C. ZIEGLER
1958

D. PODOBYS NIVERTOIDES

PANOCHE CREEK, 550 \pm FT., FRESNO CO., CALIF.

PUR 10
FEB 4

PUR UP FOR MUSE 2 ♀, 703 coll. JAN 29, 1958 BY
WM MANOR. SEE HIS NOTES FOR HABITAT DATA.
ANIMALS SEEMED TO BE BREEDING OR CLOSE TO IT.
TWO LATEST WT. WERE THE ♀♀, WITH SMALL ENDS
& SCARS. ♂♂ TESTES 5 x 10 mm \pm , EPID WITH
SOME TUBULES VISIBLE. ANIMALS NOT FAT.

PUR 10
AUG 19

♀ TAKEN BY VIC LEWIN ON JAN 29, 1958 HAD
1 RT, 1 LT. VERY FRESH PLAC. SCARS & ENLARGED
MAMMIES & MAMMARY TISSUE. A ♂ HAD LARGE
TESTES (6 x 11 mm) & QUITE EVIDENT EPIDIDYMAN TUBES.

A.C. ZIEGLER
1958

REITHRODONTOMYS MEADOWS

12 MI. SE (BY ROAD) PALMVIEW, SAN BENITO CO., CALIF.

JAN 31 2 IN SNARE TRAPS, 2 IN LIVE TRAPS ON GRAVELLY SOIL AMONG ARTEMISIA + OTHER BUSHES. DR. FLEMING TOOK 1 ALSO. DIPLO. HEERMANNI, PEROMYSCUS MANICULATUS, THOMOMYS BOTTAGE + NEOTOMA LEBORIA TAKEN IN SAME AREA.

STRAWBERRY CANYON, BARRENEY, SAN JOSE CO., CALIF.

MAR 21. TOOK 3 IN LIVE TRAPS IN MICROTUS SENS IN TALL GRASS + 2 IN OPEN WOODS ON MTS. SPECIALLY ALONG WITH PEROMYSCUS CALIFERNICUS. BOTH PLACES JUST TO N. SIDE OF ^{U.S.} BOTANICAL GARDEN FENCE.

JUNE 10 1 IN LIVE TRAP LAST NITE ON PINEHED ASHES + BIRD SEED. NOT SAVED. ALSO CAUGHT 2 MICROTUS CALIF. + 2 Sorex ORNATUS.

1 MI. W BOLINAS P.O., 120[±] FT., MARIN CO., CALIFORNIA

JUN 14 1 IN TRAP IN WOOD JUST ON EDGE OF GRASS + BACCHARIS DRY HILLSIDE. VERY SMALL (SUB-ADULT?) ANIMAL. SEE CHART IN JUNE 22 NOTES THIS JOURNAL.

4 MI. ENE AVALON, 200[±] FT., RIVERSIDE CO., CALIF.

SEPT. 14 ONE ADULT + 1 IMMATURE TAKEN ON SANDY + GRAVELLY GROUND WITH SPARSE SHRUB + A LITTLE GRASS COVER. OTHER MAMMALS IN VICINITY WERE DIPLO. DESMUS, PEROM. MANICULATUS, PEROM. FALLEX + ONCHOMYS

A. C. ZIEGLER
1958

PEROMYSCUS BOYLEI

GRECHKA Campground, 2 1/2 mi. N Beckman Springs, ~~SD~~, S. D. ^{COLE}
_(cont.)

SEPT. 11. 6 TAKEN IN BRUSH AROUND CAMP —
ONLY OTHER MAMMAL WAS A PEROMYSCUS
_____? ON A DRIER OPEN HILL SIDE. ^{SOME} OTHER
LARGE TESTES & 1 ♀ HAD 3 - 8mm EMB'S.

A. C. ZIEGLER
1958

PEROMYSCUS CALIFERNICUS

Snowberry Canyon, Berkeley, Alameda Co., Calif.

Mar 21.

CAUGHT 4 or 5 in mus. traps on sandy
SHADED, BRUSHY SLOPE BESIDE ^{U.C.} Botanical Garden
FENCE (+ on Snowberry Creek). PAIR AD ♂
+ ♀. CAUGHT ONLY 2 Reithrodontomys within same
UNUSUAL NO OTHER SPECIES OF PEROMYSCUS CAUGHT
HERE SINCE TRAPPING HERE, OR CLOSE BY, HAS
ALWAYS GIVEN P. truei + P. maniculatus — ~~more~~
I WAS IN TOO DAMP + SHADY A SPOT.

~~2~~

3 1/4 mi. N Manzanita, 3600± ft., McComb Valley, San Diego Co., Calif.

SEPT 13

DR. LIOCHKE TOOK A COUPLE OF MICE,
^{OR BEHIND A}
IN ~~CHARRAL~~ CHARRAL-LIKE THICKET, WHICH
CERTAINLY LOOKED LIKE P. CALIFERNICUS.

A.C. ZIEGLER
1958

Peromyscus crinitus

4 MI. N, $3\frac{1}{2}$ MI. W TRUCK HAVEN, ²¹~~3~~ MI. NW
KONE SPRINGS, IMPERIAL CO, CALIF.

SEPT. 9 TOOK ONE OTHER & DR. L. TOOK
ANOTHER AT 4 MI. N, $4\frac{1}{2}$ MI. W TRUCK HAVEN.
HIS ANIMAL WAS ♀ WITH 3 PRENATAL
SCARS - THE ONLY MAMMALS WE TOOK
IN THIS IMMEDIATE AREA WHICH SHOWS
ANY BREEDING ACTIVITY.

A. C. ZIEGLER
1958

Peromyscus crinitus

$1\frac{1}{4}$ mi. N $\frac{1}{3}$ mi. E
AQUANCA, 2300 \pm FT., RIVERA CO. CALIF.

SEPT. 14. TAKEN RATHER SPARINGLY AT ANH 3 LOCATIONS.
TRAPPED AROUND AQUANCA. - FOUND ALONG WITH
PEROMYSCUS MANICULATUS AND NO HABITAT
DIFF.'S IN THE 2 SPECIES COULD BE OBSERVED.
I WAS NOTICED TO HAVE ACID ABOUT MOUTH STAINED
MAGENTA - PROBABLY FROM EATING THE FRUIT
OF OPUNTIA (?) WHICH WAS VERY ABUNDANT IN
ACID.

A.C. ZIEGLER
1958

Peromyscus maniculatus

①

12 mi. SE (BY ROAD) PACINES, SAN BENITO CO., CALIF.

JAN 31 9 TAKEN IN LIVE TRAPS & 5 IN SNARE TRAPS ON
GRAVELLY SOIL AMONG ADENOCALYX BUSHES.
SEEM TO HAVE A FAIR AMOUNT OF REDDISH
IN THE BROWNISH ADULT PELAGE. DR. Q TOOK
1 ALSO HERE. IN SAME AREA DIPLO HOBOMANNI (?)
REITHARD, THOMOMYS, NEOTOMA LEPIDORA.

SENO FRING VANEY, 4625[±] FT., SAN DIEGO CO., CALIF.

SEPT. 12 PARTY TOOK SEVERAL IN AN AREA
NEARBY VANEY. TRAPPED ALONG WITH
DIPLO. BETHIS. DICK GRAHAM GOT THE ONLY
TWO PEROM. "TENUIS"? TAKEN — THESE
IN A DRY BULBY NEAR CAMP. THE
MANICULATUS SHOWED EXTREMES OF
COLORATION — FROM LIGHT TAN TO FAIRLY
DARKISH BROWN. — SEEMINGLY IRRESPECTIVE
OF THE ^{MICROHABITAT} ~~SPOT~~ WHERE EACH WAS TAKEN.

3 1/4 mi. N MANZANITA, 3600[±] FT., MC CAIN VANEY, SAN DIEGO CO., CALIF.

SEPT. 13 SEVERAL TAKEN BOTH ON THE SAND &
GRAVEL SHADE & IN HOSE PASTURES. IN
PASTURE HOWEVER IT WAS ^{NOT TAKEN IN OPEN FIELD BUT} ONLY TAKEN ALONG
A WIRE FENCE WHERE WIND HAD PILED UP DEAD
FLOWER STEMS & BRANCHES IN A "TUMBLEWEED"
MANNER. SOME ANIMALS VERY LIGHT BROWN
OR TAN-COLORED — OTHERS RELATIVELY DARK
GREY BROWN.

A.C. ZIEGLER
1958

(2)

Peromyscus maniculatus

1 1/4 mi. N, 1/2 mi. E AQUANA, 2300[±] FT., RIVERSIDE CO., CALIF.

SEPT. 14

TAKEN SPARINGLY AT ALL 3 LOCANITIES
TRAPPED IN VICINITY OF AQUANA. — SHOWN
WITH Peromyscus eremicus, Dipodomys deserti &
Perog. fallax. FEWER MANICULATUS THAN
P. ERERICUS — ABOUT 1:2 RATIO.

A.C. ZIEGLER
1958

Peromyscus truei

Sawtooth Canyon, 8500⁺ ft., Bessey, Fresno Co., Calif.

AUG. 30

1 ON DRY BACCHARIS + ARTEMISIA-COVERED
STEEP HILLSIDE. ♀ WITH 3 FRESH SCARS. ANT-
EATEN IN NEAR. CAUGHT ALSO 1 REITHRODONTOMYS IN
IMMEDIATE VICINITY & 1 REITHRODONTOMYS TAKEN
DOWN SLOPE IN DRY GRASS + BACCHARIS.
HAVE CAUGHT 2 OR 3 PEROMYSCUS ON THIS
E-FACING SLOPE BEFORE.

P. L. ZIEGLER
1958

ONYCHOMYS TORRIDUS

①

SCISSORS CROSSING PARTY QUAKE VALLEY, SANDIEGO CO., CALIF.

SEPT. 10 Party took about 5 at this locality & 7 at $3\frac{1}{4}$ mi. S, $2\frac{1}{2}$ mi. E Scissors Pass. (1 was immature) Taken along with DIPLO MESSIAE, DIPLO BOHIS (1 only), PEROG. LONGIMEMBRIS & PEROG. MANICULATUS, ALSO 1 NEOTOMA sp. DID NOT SEEM TO BE RESTRICTED TO BUSHES OR BURROWS BUT WERE TAKEN IN OPEN ALSO. WHEN SKINNED SEEMED TO HAVE SOME SORT OF "SKUNKY" SCENT, POSSIBLY FROM ANTERIOR GLANDS.

$3\frac{1}{4}$ mi. N MANZANITA, 3600 \pm FT., MC CAIN VALLEY, SANDIEGO CO., CALIF.

SEPT. 13 1 TAKEN HERE - IN ^{SAME} TRAP IN WHICH AT 10:00 PM LAST NITE ~~AND~~ PEROG. LONGIMEMBRIS WAS FOUND WITH ITS BRAIN NEARLY EATEN OUT ^{FROM ABOVE & BELOW.} NO OTHER PART OF BODY DAMAGED. SKULL WAS GONE CHAS UP TO THE CRIBIFORM PROCESS. PEROGNATHUS APPARENTLY EATEN IN PLACE SINCE WERE NOT DAMAGED AT ALL. PURELY CIRCUMSTANTIAL EVIDENCE BUT I THINK IT WAS ~~THE~~ ONYCHOMYS WHICH ATE THE PEROG.

$1\frac{1}{4}$ mi. N, $\frac{1}{3}$ mi. E AQUANGA, 2300 \pm FT., RIVERSIDE CO., CALIF.

SEPT. 14. ONE AT THIS LOCALITY AND ONE AT $\frac{1}{4}$ mi. ENE AQUANGA, 2050 \pm FT. . AT THE LATTER LOCALITY I FOUND A PEROGNATHUS WITH THE BRAIN NEARLY

A.C. ZIEGLER
1958

ONYCHOMYS TORRIOUS

(2)

$\frac{1}{4}$ mi. N, $\frac{1}{3}$ mi. E Aguana, 2300 \pm ft. Riverside Co., Calif.

SEPT. 14
(CONT'D)

EATEN OUT (AS DESCRIBED IN ACCOUNT OF SEPT. 13
ABOVE) 2 YEARS AWAY FROM THAT IN WHICH
THE ONYCHOMYS WAS TAKEN SO CLOSE I
THINK THIS BROWN-EATING WAS GRASSHOPPER MOUSE
WORK

A.C. ZIEGLER
1958

NEOTOMA FUSCIPES

1 MI. W BOLINAS P.O., 120[±] FT., MARIN CO., CALIF.

JUNE 22 SEE NOTES + CHART UNDER THIS DATE IN
JOURNAL.

A.C. ZIEGLER
1958

NEOTOMA LEODA

12 MI. SE (BY ROAD) PAICINES, SAN BENITO CO., CALIF.

JAN 31 TOOK 1 LAST NITE IN RAT TRAP ON ROCKY BANK BESIDE SMALL CREEK IN FAIRLY OPEN FIELD WITH 3 FT. HIGH ARTEMISIA & OTHER BUSHES. TAKEN BESIDE A BIG PILE OF DEAD BRUSH WHICH MAY HAVE SHELTERED THE RATS HOUSE. NEAREST SUITABLE ROCK HABITAT WAS PERHAPS 100 YARDS AWAY ACROSS THE CREEK. ALSO TAKEN IN THIS AREA WERE REITHROD'S, PEROMYSCUS MANICULATUS, DIPLO. HEGGMANNI(?), THOMOMYS BOTTAE. MANY OF MY MUS. SPEC. TRAPS WERE SPRUNG WITHIN 200 FT. OF WHERE NEOTOMA WAS TAKEN SO PERHAPS BY THE WOOD RAT. ANIMAL SEEMS SMALLISH BUT DR. BENSON SAID ABOUT NORMAL SIZE. EARS WERE WITH SMALL THICK ATTACHMENT INSIDE ONE.

A.C. ZIEGLER
1958

PHENSAEUS LONGICAUDUS

ACTUAL
FEB. 21

1 mi. N Camp Meeker, Sonoma Co., California

PUT UP 2 "SKIN ONLY" FROM SPECS USED BY WM
HAMILTON & DOUGLAS IN REPRODUCTIVE STUDY.
SEE MY JOURNAL THIS DATE FOR MORE DATA.
MY # 1022, 1023.

JUNE 29

1 mi. N JENNER P.O., 1500⁺ FT., SONOMA CO., CALIF.

CAUGHT 3 ♀ & 1 ♂ WITH BILL HAMILTON III
AT WINNICKS RANCH AT ABOVE LOCATION IN
DOUGLAS FIRE. PUT UP ♂, BUNKERED ♀'S.
SEE NOTES IN THIS JOURNAL THIS DATE.



A.C. ZIEGLER
1958

Microtus CALIFORNICUS

①

BROOKS ISLAND, 50[±] FT., CONTRA COSTA CO., CALIF.
JAN 18. None on Brooks or Red Rock but Paul
Anderson has introduced some taken near
Dr. Lessons home near Orin on the
small island 100 yards or so W of N
tip of Brooks. This was done perhaps
last summer, but I don't know for
sure. Paul looked at colony today &
said they were doing fine apparently.

~~MAI~~ STEAMBOAT CANYON, BERKELEY, ALAMEDA CO., CALIF.
MAY 1 3 (1 dead in live trap) in tank grass
border parking lot at N side of U.C.
Botanical Garden fence. Got also 3 Peromyscus
in same line of Sherman live traps.

JUNE 10 2 ADULT ♀ IN LIVE TRAPS 100 YDS W
CYCHOTRAY ROAD EAST SIDE OF RAILROAD CUTS
& BIRD SEED. Will save these to see if
pregnant. Caught also 1 Peromyscus & 2
Sorex ornatus.

1 MI. W BOLINAS P.O., 120[±] FT., MARIN CO., CALIF.

JUNE 22 SEE NOTES & CHART UNDER THIS DATE IN
JOURNAL.

JULY 6 SEE NOTE IN JOURNAL FOR THIS DATE.

A.C. ZIEGLER
1958

(2)

MICROTUS CALIFORNICUS

STRAWBERRY CANYON ^{8500 ft.} BERKELEY, ALAMEDA CO., CALIF.

SEPT. 27

TOOK 7 THIS AM AS FOLLOWS:

♂	29.7 gm.	TESTES 2x3 mm, EPID. —
♂	44.0 "	" 3x4 mm, "
♂	47.6 "	" " "
♂	57.1 "	" " "
♀	29.6 "	NO EMB'S OR SCARS, VAGINA CLOSED.
♀	35.8 "	" " "
♀	40.4 "	" " , VAGINA OPEN

THE SEMINAL VESICLES OF ♂'S WERE THREAD-LIKE, ~~BASELY~~ NOTICEABLE. ALSO TOOK 3 PEROMYSCUS ALONG WITH THESE MICROTUS. MICROTUS FROM MASH AT MARTINEZ, CALIF. COLLECTED IN LAST FEW DAYS BY CHAS. THAYER & MUR HAVE BEEN BREEDING (YOUNG, EMB'S, SCARS, ETC.) BUT THESE IN CANYON SEEM NOT TO BE ~~BEING~~ HAVE HAD ONLY 1 LIGHT RAIN SO FAR THIS LATE SUMMER FROM. RUNS OF ANIMALS IN STRAWBERRY SEEM TO BE IN THE THIN, DEAD GRASS RATHER THAN IN THE VERY THICK GREEN MATTED GRASS. I TOOK 6 OF THE 7 ABOVE IN "THIN, DEAD-GRASS" AREAS & ONLY 1 ON ~~EDGE~~ OF THICK GREEN GRASS. BROWN GRASS MADE UP AND PILES OF CUTTING SEEN BUT IT COULD NOT BE DETERMINED IF IT WAS DEAD OR GREEN WHEN ORIGINALLY CUT. TRAPPING AREA ABOUT 100 YARDS UP ROAD FROM BOTANICAL GARDENS.

A. L. ZIEGLER
1958

(3)

MICROTUS CALIFORNICUS

STRAWBERRY CANYON, 850[±] FT., BERKELEY, ALAMEDA CO., CALIF.

OCT. 3 ANIMALS TAKEN BY MARTIN L. MURIE OF MUSE
NEAR BOTANICAL GARDENS HAD FOLLOWING DATA:

3 ♂♂ (NO WT.)

TESTES 3x4 mm., EPID. -

♂ (")

" 1x2 mm EPID. -
(A LARGER ANIMAL)

♀ (")

NO EMB'S OR SCARS, VAGINA CLOSED

ALSO A ♀ TAKEN SEPT. 25, 1958 ON HILL 300-400
YARDS ABOVE BOTAN. GARDEN. HAD LARGE UTERINE
HORNES BUT NO EMB'S OR SCARS.

NOV. 16 TOOK 1 ♂, 1 ♀ AND A RETIRO IN 33 LIVE
TRAPS NEAR BOTAN. GARDEN. HILLSIDE IS BEING
CLEARED + MICROTUS SEEM TO HAVE DESERTED
SOME OF FORMER HABITAT NEAR THE
CLEARING WORK.

♂ 47.2 gm.

TESTES 4x7 mm, EPID. -

♀ OVARIES

VAGINA CLOSED

(♂ HAD AN EXCEPTIONALLY LONG TAIL. MEAS'S - 193-64-22^(W)₄₆)

A.C. ZIEGLER
1958

RATTUS RATTUS

SAN FRANCISCO ZOO, SAN FRANCISCO, SAN FRANCISCO CO., CALIF.

MAY 6

PUT UP 2 ON MAY 7 TAKEN IN ELEPHANT HOUSE BY "SAN FRANCISCO ROBERT CONNORSON", H.E. SMITH, WHO BROUGHT THEM IN, SAID SOMETHING ABOUT THE PEOPLE TAKING MANY YOUNG (LIKE THESE 2) AT THIS TIME BUT HE WAS NO MORE DEFINITE THAN THAT. BENTY SKIN OF THE 2 WAS PRETTY ROTTEN. ABOVE GRAYISH WITH JUST A SUGGESTION OF BROWN, WHITE BELOW, TAIL FAIRLY UNICOLOR. TO MUSE COLLECTION.

A.C. ZIEGLER
1958

(1)

MUS MUSCULUS

BROOKS ISLAND, 10¹/₂ MI. CONCORD COSTA CO. CALIF.

JAN 5.

5 FROM HERE (ACZ# 982-986) VERY DARK
— A COUPLE ALMOST BLACK — ABOVE + ALMOST
AS DARK BELOW. FRESH PERAGE WITH LONGER
GUARD HAIRS. + FAIRLY THICK. TAKEN ANY-
TIME (1 MORE ~~WAS~~ CATCHED IN NETS + NOT BRAT
BACK) BY PAUL K ANDERSSON + J. C. OWSER at
MVB.

GIVEN #
JAN 8

SAN RAFAEL (5 WARREN COURT?), MARIN CO. CALIF.

3 MICE, PERHAPS FROM CITY ITSELF.
SENT IN — 2 WERE BLACK TOP + BOTTOM
+ SEEMED (IN ANECDOTE, ANYWAY) TO BE MELAN-
ISTIC LAB TYPE MICE — IN OTHER WORDS
THERE DID NOT SEEM TO BE THE GRADING OF
DARKER TO LIGHTER FROM DORSUM TO VENTRAL
SIDE AS COULD BE SEEN IN THE BROOKS IS. SPECIES
OF JAN 5, 1958. PERHAPS SOMEONE'S PETS WERE
TURNED LOOSE OR MAYBE JUST A (COMBINED)
MELANISTIC MUTATION TOOK PLACE AT SOME
TO THE SAN RAFAEL POPULATION. OTHER 1 MUS
SEEMED TO BE A NORMALLY COLORED MUS
— BROWNISH GREY ABOVE, LIGHTER BELOW. COARS
ARE AWH HARD TO TEEN IN ANECDOTE + DUE
TO SL. PAGES FUR COULD NOT BE SAFELY DRAWN
WITH AIR GUN. SAID FOR MVB AS ANECDOTES.
(A.C. Z# 987-989). CORRESPONDENCE (PERHAM TO BENSON) SAID SAME
MR. WARREN HAD "CAUGHT A BLACK FIELD MOUSE (MICOTUS) IN LATE
SUMMER" ALSO.

A.C. ZIEGLER
1958

MUS MUSCULUS

(2)

BROOKS ISLAND, 50[±] FT., CONTRA COSTA CO., CALIF.

JAN 18

TOOK 19 IN 40 MUS. SPO. + 3 RAT TRAPS. SEE JOURNAL FOR TIMES + 2 OTHER TRAPPER'S RESULTS. LIFTED UP BOARDS AT 10[±] FT. + 3 MUS RAN OUT. POPULATION AN SEEMED DELT + COMMON. SEEMED TO BE MORE MUS ON NE TIP OF ISLAND IN TALL WETTER GRASS THAN JUST 100 YARDS AWAY AROUND ON THE SLIGHTLY DRIER NW TIP WHERE GRASS WAS NOT QUITE SO THICK + WHERE MUCH BACCHARIS GROW. ALMOST ALL OF ~~THE~~ TRAPS ON NE SIDE EXCEPT 2 HAD MUS - LESS THAN HALF OR LESS THAN ONE THIRD ON NW SIDE HAD MICE + 2 WERE SPRUNG WITH NOTHING IN THEM. TRAPS SET ROUGHLY $\frac{1}{2}$ ON NE, $\frac{1}{2}$ ON NW SIDE - MAYBE DIFFERENCE IN CATCH JUST "TRAPPING LUCK" SINCE TWO AREAS ~~WERE~~ SEEMED TOO CLOSE TOGETHER TO BE MUCH DIFFERENT. PUT UP 2, SAVED HALF A DOZ. OTHERS AS ALCOHOLS WITH NO #'S. DISCARDED REST. RATS ONLY OTHER ^{RODENT} ~~ANIMALS~~ ON ISLAND AS FAR AS WE COULD TELL. SARROW HAWK ALSO SEEN + 1 HAWK OR OWL PERCHT FOUND HAD MUS REMAINS.

A.C. ZIEGLER
1958

VULPES MACROTIS

7 MI. E (BY ROAD) MURCEY HOT SPRINGS, FRESNO CO, CALIF.
JAN 30 SAW 2 OR 3 OF THIS SPECIES + 2 OR 3 GREY FOXES
PLUS 1 LYNX HUNG ON FENCE ALONG ROAD. TRAPPED
+ CHUBBED OVER HEAD. SAVED THE FRESHEST KIT
FOX FOR SPECIMEN. SKINNED OF LYNX + FOX
OR 2 ALREADY TAKEN PREVIOUS BY OTHER MURCEY
COLLECTORS LEWIN + MANOR. SEVERAL VERY
SMALL FLEAS NOTICED JUMPING OFF OF SKIN ON
NITE OF JAN 31 WHEN I WAS SKINNING IT. THERE
MIGHT HAVE BEEN FROM RECENTLY HATCHED EGGS
SINCE IT SEEMS UNUSUAL THAT ^{ADULT} FLEAS ON ANIMAL
WHEN IT WAS TRAPPED WOULD STILL REMAIN ON SKIN
FOR SEVERAL DAYS.

A. C. ZIEGLER
1958

UROCYON CINEREO ARGENTUS

7 MI. E (BY ROAD) MERCURY HOT SPRINGS, FRESNO CO., CALIF.
JAN 30. 2 OR 3 FOUND HUNG ON FENCE BESIDE ROAD
APPARENTLY TRAPPED & CLUBBED TO DEATH.
SEE NOTES UNDER VULPES MACROTIS & JOURNAL
THIS DATE & LOCALITY.

2 MI. W, 4 MI. N BOLINA P.O., 4000 FT., MARIN CO., CALIF.
JULY 6 4 CARCASSES HUNG ON FENCE - TRAPPED.
2⁺ YEARS SINCE DEATH. ALSO 1 BASSON &
5 LYNX

A.C. ZIEGLER
1958

TAXIDEA TAXUS

2 MI. W, 4 MI. N BOWMAN P.O., 400[±] FT., MASON CO., CONN.

JULY 6

1 CARCASS FOUND HUNG ON FENCE
ALONG WITH 4 UROSAURUS + 5 LYNX
DEAD ABOUT 2 YEARS.

A.C. ZIEGLER
1958

LYNX RUFUS

7 MI. E (BY ROAD) MOSBY HOT SPRINGS, FREEMO CO., CALIF.

JAN 30 ~~ONE TRACKS~~ ~~ONE~~ ON FENCE ALONG
ROAD. NO HEAD FOUND - SEE NOTES UNDER
VULPES MACROTIS & JOURNAL THIS DATE &
LOCATION.

2 MI. W, 4 MI. N BOLINAS P.O., 400± FT., MARIN CO., CALIF.

JULY 6 5 CARCASSES HUNG ON FENCE - DEAD
2[±] YEARS. ALSO 1 BADGER & 4 UROSAURUS.

